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JOINT HIGHWAY  
RESEARCH PROJECT

JHRP-78-20

TRAFFIC SPEED REPORT  
NO. 106

J. R. Mekemson

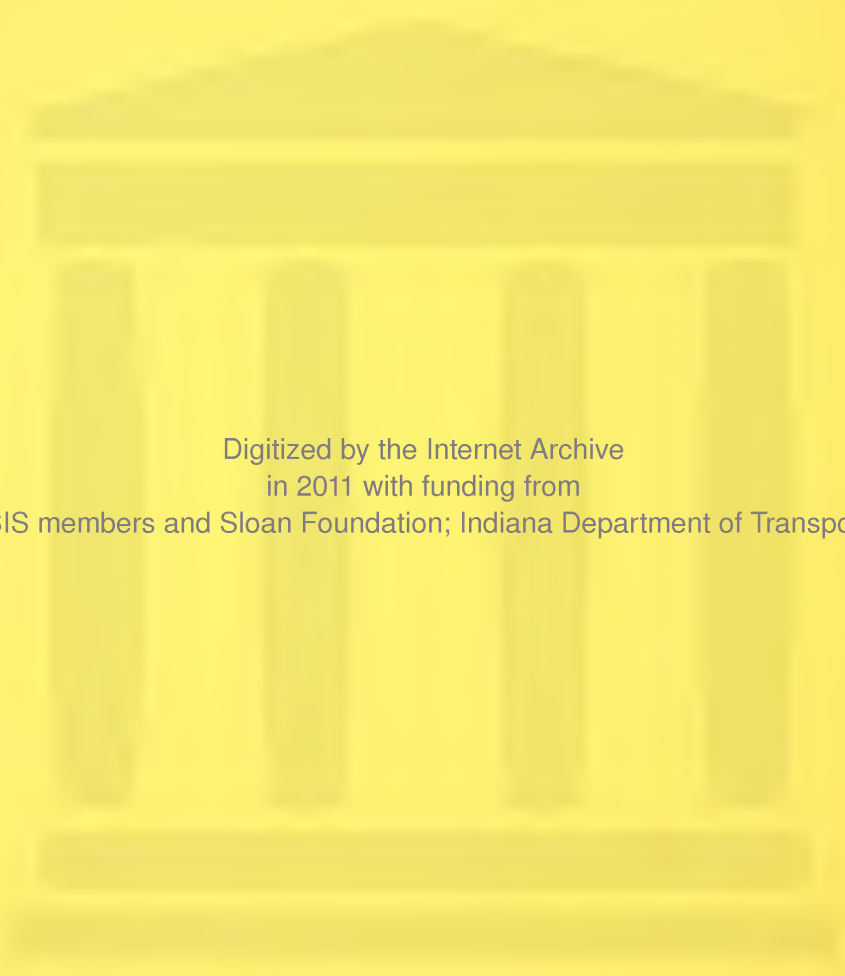
G. K. Stafford

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TRAFFIC SPEED REPORT NO. 106

TO: Harold L. Michael, Director  
Joint Highway Research Project

October 3, 1978

File: 8-3-3

FROM: James Mekemson  
Graduate Research Assistant  
Joint Highway Research Project

Project: C-36-10C

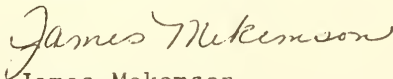
The attached Progress Report No. 106 on Traffic Speeds is the report of the July-September 1978 quarterly study of free-flowing automobile and truck speeds on rural, tangent, level sections of Interstate, 4-lane and 2-lane and on urban interstate highways in Indiana. The report has been prepared by Mr. J. R. Mekemson, a Graduate Instructor in Research on our staff, under the direction of Professor H. L. Michael. The data collection was directed by Mr. G. K. Stafford of our staff.

The results indicate that the average speed of passenger cars was 0.8 mph less while that of heavy trucks was 0.6 mph less than the respective average speeds for the preceding quarterly period.

This Report also serves as the annual study of traffic speeds which have been made during the summer months by JHRP for the last 30+ years. A comparison of the average speeds found in these annual studies for the past ten years is also included.

Copies of the report will be sent to the Federal Highway Administration and the ISHC for review, comment and acceptance as partial fulfillment of the objectives of this HPR Part I Study. Copies of the report are requested for release to the Indiana State Police and the Indiana Office of Traffic Safety as a normal procedure for these reports.

Respectfully submitted,



James Mekemson  
Graduate Research Assistant

JM:mh

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16. Abstract <p>This report is another in the continuing study of speeds of vehicles on Indiana highways. Observations of spot speeds were taken on interstate, four-lane and two-lane highways throughout the state during the July-September 1978 quarter.</p> <p>Analysis of the speeds showed the overall average speed for all vehicles was 57.2 mph. The overall average speed for passenger cars and all trucks was 57.6 mph and 56.8 mph respectively. These overall average speeds were 0.8 mph less for passenger cars and 0.8 mph less for trucks than speeds found in the April-June 1978 study (Speed Report No. 105).</p> <p>This report is also the 1978 annual speed study of JHRP and is compared with similar studies made during the summer months for the last ten years. A very small increase in speeds was noted for two-lane highways while a very small decrease was evident on all other types of highways. Speeds of passenger cars, however, are significantly less on all classes of highway than speeds during the pre-55 mph limit years. On the other hand, speeds of heavy trucks in 1978 are almost the same as speeds of heavy trucks during the pre-55 mph limit years of 1968-1973.</p>			
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Interim Report  
TRAFFIC SPEED REPORT NO. 106

by

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Project No.: C-36-10C

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Conducted by

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Engineering Experiment Station  
Purdue University

in cooperation with the

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and the

U. S. Department of Transportation  
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The opinions, findings and conclusions expressed in this publication are those of the authors and not necessarily those of the Federal Highway Administration.

Purdue University  
West Lafayette, Indiana  
October 3, 1978

## TRAFFIC SPEED REPORT NO. 106

This report is an analysis of spot speed observations made between July and September 1978. All observations were of free flowing vehicles on level, tangent sections of rural and urban highways under favorable conditions. All observations were made during daylight except for three stations, one each on the three rural classifications.

The speed monitoring stations for each highway classification were divided into two groups. The first group is identified as "control stations" and studied from the same locations on selected Federal and State highways as used in previous studies. The "primary control stations" are used in each quarterly study. The "secondary control stations" are included only in the annual studies. The second group is selected at random for each quarterly study.

Twenty-eight speed monitoring stations were used for this reported study. Seven of these stations were the primary control stations and seven were secondary control stations noted above. The other fourteen stations were selected at random for this quarterly study.

Stations were classified as rural two-lane, four-lane, or interstate, or urban interstate highways. A representative sample of spot speeds was obtained at each station in each classification. The site locations follow and are also shown in Figure A.



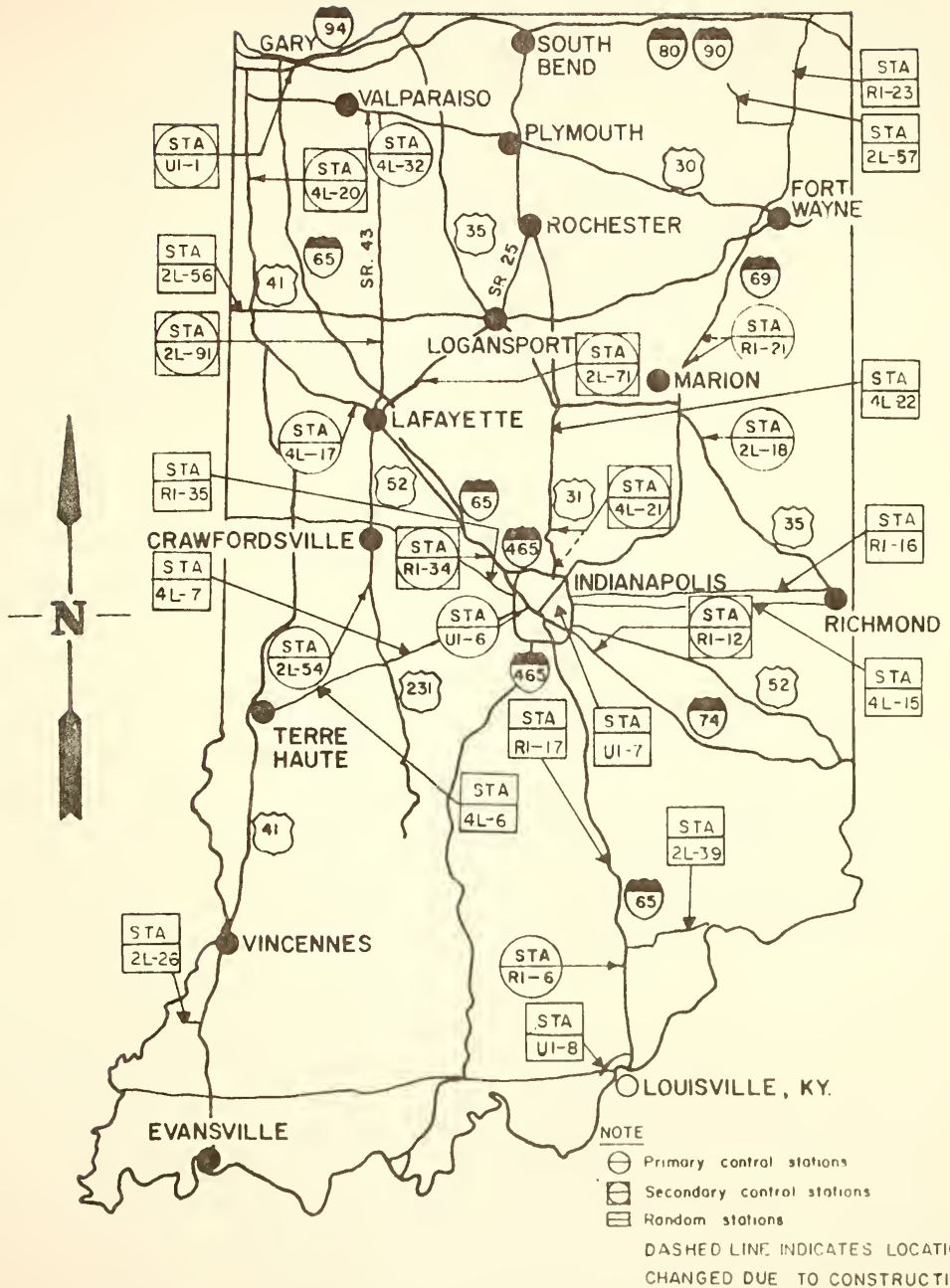


FIGURE A. LOCATION OF SPEED-STUDY STATIONS

### Rural Interstate Highways

*RI-21 (I-69)	First bridge south of junction with S.R. 18 [Had to move location due to construction. Location taken was 3.4 miles north of S.R. 18 and near 68 mile marker.]
*RI-6 (I-65)	7.5 miles north of junction with S.R. 160 at rest park
**RI-34 (I-65)	South of Lebanon: Northbound at Co. Rd. 300S, Southbound at first bridge south of S.R. 39
**RI-12 (I-74)	0.1 mile west of mile marker 109
RI-7 (I-65)	9.7 miles south of U.S. 50
RI-16 (I-70)	13.9 miles west of U.S. 27
RI-24 (I-69)	2.4 miles north of S.R. 4
RI-35 (I-74)	1.55 miles west of S.R. 268

### Four-Lane Highways

*4L-32 (U.S. 30)	Eastbound at 3.7 miles east of Co. Rd. 400E, Westbound at 1.2 miles west of Co. Rd. 400E,
*4L-17 (U.S. 52)	Eastbound at 30 yds. east of Co. Rd. 475W, Westbound at 0.25 mile east of Co. Rd. 475W
**4L-21 (U.S. 31)	1.2 miles south of S. R. 38 [Had to move location due to construction. Location taken was 2.8 miles south of U.S. 431 north of Carmel.]
**4L-20 (U.S. 41)	1.0 mile north of S.R. 2
4L-6 (U.S. 40)	1.75 miles west of Brazil city limit sign.
4L-7 (U.S. 40)	5.35 miles east of U.S. 231
4L-15 (U.S. 40)	1.35 miles west of Dublin city limit sign.
4L-22 (U.S. 31)	2.8 miles south of S.R. 26

### Two-Lane Highways

*2L-18 (U.S. 35)	1.5 miles east of Interstate 69
*2L-54 (U.S. 231)	1.0 mile south of junction with S.R. 234
**2L-91 (S.R. 43)	2 miles south of Chalmers
**2L-79 (S.R. 25)	0.7 mile south of Americus
2L-26 (S.R. 64)	1.75 miles west of U.S. 41
2L-39 (S.R. 56)	0.4 mile west of Hanover
2L-56 (U.S. 24)	1 mile west of Kentland city limit sign
2L-57 (S.R. 3)	2.85 miles south of U.S. 6

---

\*Primary control stations

\*\*Secondary control stations



### Urban Interstate Highways

- \*UI-6 (I-65) East of White River Bridge  
[Had to move westbound station because of construction. Location taken was 0.7 miles west of Grant Street interchange.]
- \*\*UI-1 (I-94) First bridge east of Burr interchange.
- UI-7 (I-70) 1.5 miles east of Keystone Avenue, Indianapolis
- UI-8 (I-265) 5.6 miles southwest of I65

The vehicles were classified as Indiana or Non-Indiana Passenger Cars and Light (less than 5000 lbs. gross weight) or Heavy (equal to or more than 5000 lbs. gross weight) Trucks. The analysis was performed as classified and combined, passenger cars or trucks.

The maximum speed limit in Indiana is 55 miles per hour, both on Interstate and other rural highways.

---

\*Primary control stations

\*\*Secondary control stations

### Equipment and Field Procedure

The observations for this study were obtained by use of a Radar Speed Meter. The meter was located in a van type vehicle parked as a disabled vehicle on the right shoulder or as a normally parked vehicle in an access driveway to the road. The van was equipped with one-way vision windows on the side facing traffic and the rear window was shuttered so that approaching vehicles could not observe the speed measurement process. The observers were also equipped with CB radio equipment so as to monitor possible radio notification of the speed measurement and of police vehicles in the area. When any such incidents occurred speeds were not taken for a least a following 15 minute period. Such periods rarely occurred on other than interstate roads where they occurred frequently.

The speed was measured at a distance from the van so that the angle of measurement with the highway center line was always less than  $10^{\circ}$ . No corrections of speeds were necessary at these small angles. At the beginning of the study the accuracy of the meter was checked and any constant discrepancy of readings was corrected accordingly.

### RESULTS OF ANALYSIS

The data collected were analyzed and are summarized in Tables 1 to 28 in the Appendix. Tables 29, 30, 31 and 32 summarize the data for rural interstate, four-lane, two-lane and urban interstate highways, respectively. Table 33 is the summary for all highways. Tables 34 through 62 are summaries in a FHWA format which that organization requires.

The average speed for each classification of vehicles on each type of highway for this study was as follows:

	<u>Urban</u>	<u>Interstate</u> <u>Rural</u>	<u>Other</u> <u>Four Lane</u> <u>Rural</u>	<u>Two Lane</u> <u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	58.0	58.5	56.9	56.4
Non-Indiana	57.9	60.1	57.5	56.2
All Passenger Cars	58.0	59.2	56.9	56.4
85 Percentile (all)	62.1	63.1	61.6	61.0
<u>Trucks:</u>				
Less than 5000 lbs.	56.5	58.2	55.4	55.0
5000 lbs. or more	56.8	59.4	56.2	55.5
<u>All Vehicles:</u>				
Average	57.4	59.0	56.5	55.9
85 Percentile	61.5	63.3	61.4	60.7

The percent of vehicles exceeding the speed limit (55 mph) for each classification of vehicle and each type of highway was as follows:

	<u>Urban</u>	<u>Interstate</u>	<u>Rural</u>	<u>Four Lane</u>	<u>Two Lane</u>
<u>Passenger Cars:</u>					
Indiana	70.9		76.1	61.2	56.5
Non-Indiana	68.4		86.7	68.3	56.3
All Passenger Cars	70.4		80.7	62.1	56.5
<u>Trucks:</u>					
Less than 5000 lbs.	60.0		71.9	49.3	45.7
5000 lbs. or more	65.1		82.6	58.9	51.4
<u>All Vehicles:</u>	67.1		80.0	59.0	53.4

The percent of vehicles traveling more than 5 mph above the speed limit (exceeding 60 mph) for each case was as follows:

	<u>Urban</u>	<u>Interstate</u>	<u>Other</u> <u>Four Lane</u> <u>Rural</u>	<u>Two Lane</u> <u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	25.2	29.8	23.1	19.1
Non-Indiana	27.5	42.4	24.0	19.4
All Passenger Cars	25.6	35.3	23.2	19.1
<u>Trucks:</u>				
Less than 5000 lbs.	21.5	25.9	18.2	15.4
5000 lbs. or more	22.1	41.2	21.9	16.9
<u>All Vehicles:</u>	23.9	35.6	22.0	18.0

The percent of vehicles traveling more than 10 miles per hour above the speed limit (exceeding 65 mph) for each case was as follows:

	<u>Urban</u>	<u>Interstate</u>	<u>Other</u> <u>Four Lane</u> <u>Rural</u>	<u>Two Lane</u> <u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	7.4	5.8	6.0	6.2
Non-Indiana	7.8	10.1	3.3	4.6
All Passenger Cars	7.4	7.7	5.7	6.0
<u>Trucks:</u>				
Less than 5000 lbs.	2.7	6.9	4.5	5.1
5000 lbs. or more	2.3	8.8	5.7	2.9
<u>All Vehicles:</u>	5.1	7.9	5.4	5.2

### Summary and Conclusions

Overall average speed for all vehicles and passenger cars in this July-September 1978 study were found to be 57.2 and 57.6 mph, respectively. These overall average speeds for all vehicles and passenger cars are respectively 0.9 and 0.8 mph below the results of the April-June 1978 study, and are 0.3 and 0.2 mph below the results of the July-September 1977 study.

Overall average speeds for all trucks and heavy trucks in this July-September 1978 study were found to be 56.8 and 57.3 mph, respectively. These overall average speeds for all trucks and heavy trucks are respectively 0.8 and 0.6 mph below the results of the April-June 1978 study, and differ by 0.2 and 0.1 mph, respectively, below the July-September 1977 study.

Table A presents a comparison of the overall speed results with that of the previous three studies. The table also shows that the 85th percentile speed of passenger cars decreased by 1.0 mph to 62.1 mph when compared to the April-June 1978 study and is 0.5 mph below the results of the July-September 1977 study.

A comparison of July-September 1978 speed data with that for other recent periods for several types of highway for passenger cars and trucks is shown in Tables B, C, D and E.

Tables B, C, D and E show in general that passenger car and truck average speeds have decreased slightly when compared to the April-June 1978 study results but are very similar to speeds of July-September 1977.

Table F further compares speed results for the rural highways and vehicle types over the past ten years. Compared with August 1977 results, the average speed of passenger cars in August 1978 has increased (0.5 mph) for the two-lane, decreased (0.3 mph) for the four-lane highways, and decreased (0.9 mph) for rural interstate highways. Truck average speeds, when compared with the August 1977 result, also increased (1.0 mph) for the two-lane, decreased (0.4 mph) for the four-lane highways and decreased (0.3 mph) for rural interstate.

Speeds were also measured at night at three (3) locations (Stations RI-16, 4L-22 and 2L-56), one on each of the rural highway classifications. The average speed at each of these three stations was very similar to the speeds on other stations of the same highway class where speed was measured during daylight hours. Station RI-16 was slightly lower than the other rural interstate stations while 4L-22 and 2L-56 were slightly higher than the other four-lane and two-lane stations respectively.

TABLE A  
COMPARISON OF THE OVERALL SPEED RESULTS

	July-Sept. 1978	April-June 1978	Jan.-March 1978	Oct.-Dec. 1977
<u>Average</u>				
All Passenger Cars	57.6	58.4	59.0	59.3
Heavy Trucks	57.3	57.9	57.8	58.2
All Trucks	56.8	57.6	57.6	58.1
<u>85 Percentile</u>				
All Passenger Cars	62.1	63.1	63.8	64.0
Heavy Trucks	62.2	62.7	62.9	63.4
All Trucks	61.7	62.7	62.8	63.3
<u>15 Percentile</u>				
Heavy Trucks	51.6	52.1	51.8	52.0



TABLE B  
AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (URBAN)

	July-Sept. 1978	April-June 1978	Jan.-March 1978	Oct.-Dec. 1977
<u>Passenger Cars:</u>				
Indiana	58.0	59.2	59.7	59.8
Non-Indiana	57.9	57.9	61.2	59.0
All Passenger Cars	58.0	59.1	59.9	59.7
85 Percentile (all)	62.1	62.9	63.9	63.8
<u>Trucks:</u>				
Less than 5000 lbs.	56.5	58.4	58.3	59.1
5000 lbs. or more	56.8	57.7	58.4	56.6

TABLE C  
AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (RURAL)

	July-Sept. 1978	April-June 1978	Jan.-March 1978	Oct.-Dec. 1977
<u>Passenger Cars:</u>				
Indiana	58.5	60.5	61.0	61.2
Non-Indiana	60.1	60.5	61.4	61.8
All Passenger Cars	59.2	60.5	61.1	61.5
85 Percentile (all)	63.1	64.9	65.9	66.1
<u>Trucks:</u>				
Less than 5000 lbs.	58.2	59.3	59.8	60.1
5000 lbs. or more	59.4	60.0	59.8	61.3

TABLE D  
AVERAGE SPEEDS ON OTHER FOUR-LANE HIGHWAYS

	July-Sept. 1978	April-June 1978	Jan.-March 1978	Oct.-Dec. 1977
<u>Passenger Cars:</u>				
Indiana	56.9	57.5	58.0	58.4
Non-Indiana	57.5	58.2	60.2	59.6
All Passenger Cars	56.9	57.6	58.2	58.6
85 Percentile (all)	61.6	62.2	62.7	62.9
<u>Trucks:</u>				
Less than 5000 lbs.	55.4	57.2	57.3	57.5
5000 lbs. or more	56.2	57.9	57.6	57.8

TABLE E  
AVERAGE SPEEDS ON TWO-LANE HIGHWAYS

	July-Sept. 1978	April-June 1978	Jan.-March 1978	Oct.-Dec. 1977
<u>Passenger Cars:</u>				
Indiana	56.4	56.5	57.2	57.7
Non-Indiana	56.2	57.5	58.9	58.4
All Passenger Cars	56.4	56.8	57.3	57.8
85 Percentile (all)	61.0	61.6	62.3	63.0
<u>Trucks:</u>				
Less than 5000 lbs.	55.0	55.3	55.5	56.7
5000 lbs. or more	55.5	54.9	54.4	54.7

TABLE F

SUMMARY OF SPOT SPEED OBSERVATION ON RURAL INDIANA HIGHWAYS  
(Free-moving Vehicles on Level, Tangent Sections)

		Passenger Cars				Trucks		
		Ind. Mean	Non-Ind. Mean	All Mean	All 85%	Light Mean	Heavy Mean	All Mean
Two-Lane Highways								
July	'69	64.7	64.6	64.7	71.9	60.5	55.9	57.9
July	'70	62.3	62.8	62.3	68.9	59.0	54.8	56.7
July	'71	61.4	60.9	61.3	68.0	58.0	54.0	55.6
June	'72	62.0	62.4	62.0	68.7	53.3	55.6	56.7
Aug.	'73	62.1	61.4	62.1	68.7	58.7	56.4	57.3
Aug.	'74	56.8	55.9	56.7	61.8	55.3	54.5	54.8
Aug.	'75	57.2	57.4	57.8	62.5	57.5	56.2	56.9
Aug.	'76	56.4	57.8	56.6	61.5	55.6	55.4	55.5
Aug.	'77	55.9	55.9	55.9	60.9	54.9	53.5	54.2
Aug.	'78	56.4	56.2	56.4	61.0	55.0	55.5	55.2
Four-Lane Highways								
July	'69	67.7	68.3	67.9	74.6	64.0	58.0	59.6
July	'70	64.6	64.3	64.5	70.6	59.7	55.0	54.2
July	'71	64.3	65.4	64.7	70.7	59.8	56.4	57.4
June	'72	64.3	64.3	64.3	70.9	59.4	55.2	57.1
Aug.	'73	64.0	63.7	63.9	70.9	60.8	57.8	59.1
Aug.	'74	58.0	57.9	58.0	63.1	56.8	54.4	55.3
Aug.	'75	57.6	58.1	57.7	62.0	56.4	55.9	56.1
Aug.	'76	57.2	57.8	57.3	61.8	56.9	56.6	56.8
Aug.	'77	57.0	58.1	57.2	62.0	55.7	56.6	56.2
Aug.	'78	56.9	57.5	56.9	61.6	55.4	56.2	55.8
Interstate Highways (Rural)								
July	'69	70.2	71.2	70.6	76.6	65.3	59.9	61.4
July	'70	69.1	69.2	69.2	74.6	63.8	59.6	60.5
July	'71	68.3	68.7	68.5	73.7	64.8	59.4	60.8
June	'72	69.1	69.6	69.3	74.4	63.7	60.9	61.8
Aug.	'73	69.3	70.1	69.6	74.8	64.1	61.6	62.3
Aug.	'74	58.3	59.3	58.7	62.6	56.7	56.4	56.5
Aug.	'75	59.7	60.2	59.9	64.2	58.2	59.3	58.9
Aug.	'76	59.5	60.2	59.8	64.3	58.5	58.4	58.4
Aug.	'77	60.1	60.1	60.1	64.5	58.4	59.7	59.3
Aug.	'78	58.5	60.1	59.2	63.1	58.2	59.4	59.0
All Rural Highways								
July	'69	67.3	68.8	67.9		62.7	57.9	59.5
July	'70	65.1	66.3	65.5		60.3	56.4	57.5
July	'71	64.3	66.2	64.9		60.3	56.8	57.9
June	'72	64.8	66.9	65.2		60.1	57.6	58.6
Aug.	'73	64.7	67.1	65.2		60.9	58.8	59.6
Aug.	'74	57.6	58.4	57.8		56.2	55.1	55.6
Aug.	'75	58.5	59.5	58.7		57.5	57.4	57.4
Aug.	'76	57.5	59.1	58.0		56.9	57.1	57.0
Aug.	'77	57.2	59.1	57.6		56.1	57.2	56.8
Aug.	'78	57.1	58.7	57.5		56.0	57.4	56.8

TABLE 1 SPEED DATA

STATION RI-6 HIGHWAY I-65 LOCATION 7.5 miles north of SR 160NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Hazy

## THIS OBSERVATION

DATE 8-22-78TIME 2:46-3:26 NB3:35-4:20 SBLAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)DATE 6-6-78TIME 11:33 AM - 12:22 PM NB10:27 - 11:03 AM SB

OBSERVATION	PASSENGER CARS										TRUCKS																			
	ALL					INDIANA					NON-INDIANA					ALL					<5000 LBS.					>5000 LBS.				
	LAST	ENT	PRES-	LAST	ENT	LAST	ENT	PRES-	LAST	ENT	LAST	ENT	PRES-	LAST	ENT	LAST	ENT	PRES-	LAST	ENT	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT		
NUMBER OF VEHICLES	246	258		134	102	112	156		184	191		57	75		127	115														
AVERAGE SPEED (MPH)	60.70	59.40		60.70	58.30	60.90	60.12		60.10	59.66		59.80	59.61		60.20	59.70														
STANDARD DEVIATION	5.400	4.391		5.210	4.344	5.640	4.286		4.680	4.467		5.450	4.994		4.300	4.104														
-24 MPH	0	0		0	0	0	0		0	0		0	0		0	0														
-29 MPH	0	0		0	0	0	0		0	0		0	0		0	0														
-34 MPH	0	0		0	0	0	0		0	0		0	0		0	0														
-39 MPH	0	0		0	0	0	0		0	0		0	0		0	0														
-44 MPH	0	0		0	0	0	0		0	0		0	0		0	0														
-49 MPH	1.2	4		1.5	1.0	9	0		1.1	1.6		1.8	2		2	2														
-54 MPH	9.4	11.2		9.7	15.7	8.9	8.3		10.3	11.0		14.0	13.2		8.7	9.6														
-59 MPH	45.1	54.7		42.5	67.6	48.2	46.2		44.6	50.3		56.1	51.3		39.4	49.6														
-64 MPH	80.1	98.0		79.8	91.2	80.4	85.9		85.3	88.5		82.5	86.3		86.6	89.6														
-69 MPH	94.3	97.3		95.5	98.0	92.9	96.8		97.3	97.4		94.7	94.7		98.4	99.1														
-74 MPH	98.4	99.2		97.8	99.0	99.1	99.4		100.0	99.0		100.0	97.4		100.0	100.0														
-79 MPH	99.6	100.0		100.0	100.0	99.1	100.0		100.0	100.0		100.0	100.0		100.0	100.0														
-84 MPH	99.6	100.0		100.0	100.0	99.1	100.0		100.0	100.0		100.0	100.0		100.0	100.0														
-89 MPH	100.0	100.0		100.0	100.0	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0														
DIRECTION-NB	131	122		71	62	60	67		84	86		25	38		59	48														
NUMBER OF VEHICLES	52.40	58.98		59.30	58.05	59.50	59.84		58.60	59.65		57.40	60.13		59.10	59.27														
AVERAGE SPEED	115	129		63	40	52	82		100	105		32	33		68	67														
DIRECTION-SB	62.30	59.83		62.20	58.70	62.50	60.34		61.30	59.68		61.60	59.08		61.20	60.01														
NUMBER OF VEHICLES																														
AVERAGE SPEED																														

# TABLE 2. SPEED DATA

STATION RI-21 HIGHWAY I-69 LOCATION 3.4 miles north of S.R. 18\*

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Hazy

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

DATE 8-14-78 DATE 6-8-78  
 TIME 1:25-2:12 PM NB TIME 2:05-2:50 PM NB  
2:30-3:13 PM SB 3:30-4:13 PM SB

OBSERVATION	PASSENGER CARS						TRUCKS					
	ALL			INDIANA			NON-INDIANA			ALL		
	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST
NUMBER OF VEHICLES	263	291	178	133	85	158	174	181	48	74	125	107
AVERAGE SPEED (MPH)	60.20	59.28	60.00	59.29	60.60	60.56	59.70	59.62	58.60	57.96	60.10	60.77
STANDARD DEVIATION	4.760	4.367	4.560	4.097	5.170	4.512	5.350	4.744	6.090	4.395	5.022	4.653
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	4	1.0	6	8	0	1.3	2.2	2.2	4.2	4.1	2.4	9
54 MPH	8.0	8.2	9.0	11.3	5.2	7.0	15.5	13.3	25.0	20.3	11.9	8.4
59 MPH	49.8	46.7	51.7	54.1	45.9	40.5	50.6	49.7	62.5	66.2	46.0	38.3
64 MPH	85.9	85.2	86.0	89.5	85.9	81.6	83.9	86.7	89.6	94.6	81.8	81.3
69 MPH	25.4	28.5	26.6	22.2	22.2	28.1	25.4	28.2	23.8	100.0	96.0	98.1
74 MPH	98.5	100.0	99.4	100.0	96.5	100.0	99.4	95.4	97.9	100.0	100.0	99.1
79 MPH	99.6	100.0	100.0	100.0	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	128	154	86	66	42	88	91	94	24	44	57	50
AVERAGE SPEED	60.30	60.04	60.30	58.92	60.10	60.88	60.80	58.89	59.20	58.00	61.30	59.68
DIRECTION SB												
NUMBER OF VEHICLES	125	137	92	67	43	70	83	87	24	30	59	57
AVERAGE SPEED	60.10	59.91	59.60	59.64	61.00	60.17	58.50	60.40	58.10	57.20	58.50	61.72

\*Speed study station moved to this location due to construction at regular location.



## TABLE 3 SPEED DATA

STATION RI-12 HIGHWAY I-74 LOCATION 1 mile west of mile marker 109NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Fair

## THIS OBSERVATION

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)DATE 8-31-78DATE 8-26-76TIME 11:08-12:24 PBTIME 11:15 AM - 1:25 PM

12:30-1:30 WB

## PASSENGER CARS

## TRUCKS

	ALL			INDIANA			NON-INDIANA			ALL			<5000 LBS.			>5000 LBS.		
	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST
OBSERVATION																		
NUMBER OF VEHICLES	273	281	158	125	115	86	86	156	156	42	66	116	66	66	116	66	66	116
AVE. SPEED (MPH)	59.30	59.54	58.70	59.10	60.20	60.55	60.55	59.72	58.80	58.50	59.41	58.90	59.41	58.90	59.41	58.90	59.41	58.90
STANDARD DEVIATION	4.986	4.561	4.988	4.375	4.882	4.835	4.835	4.566	4.536	5.047	4.974	4.357	4.974	4.974	4.357	4.974	4.974	4.357
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	1.8	2.7	1.9	1.0	1.7	0	0	0	3.8	0	0	7.1	0	0	2.6	0	0	0
54 MPH	13.2	11.7	17.7	13.3	8.7	8.1	8.1	10.9	15.8	16.7	13.6	15.5	13.6	13.6	15.5	8.9	8.9	15.5
TRAVELING	54.6	50.9	60.8	54.9	46.1	41.9	41.9	55.1	52.5	61.9	60.5	49.1	60.5	60.5	49.1	51.1	51.1	60.5
AT OR	64 MPH	89.3	96.1	92.3	82.6	82.6	82.6	82.1	92.4	88.1	81.8	94.0	81.8	81.8	94.0	82.2	82.2	81.8
LESS THAN	69 MPH	96.3	96.1	97.4	96.5	93.0	93.0	98.1	100.0	100.0	97.0	100.0	97.0	97.0	100.0	98.9	98.9	97.0
74 MPH	99.3	98.9	99.4	99.0	99.1	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	EB																	
NUMBER OF VEHICLES	134	138	82	92	52	39	39	74	82	20	32	62	32	32	62	42	42	62
AVERAGE SPEED	59.80	59.79	59.70	59.44	60.00	60.67	60.67	59.20	59.20	58.50	59.03	59.50	59.03	59.03	59.50	60.19	60.19	59.03
DIRECTION	WB																	
NUMBER OF VEHICLES	139	143	76	96	63	47	47	82	76	22	34	54	34	34	54	48	48	34
AVERAGE SPEED	59.90	59.31	57.60	58.75	60.30	60.45	60.45	59.76	58.30	58.60	59.82	58.20	59.82	59.82	58.20	59.71	59.71	59.82



## TABLE 4 SPEED DATA

STATION RI-34 HIGHWAY I-65 LOCATION 2.5 miles south of 1st bridge south of SR 39

NO. OF LANES	4	TYPE OF SURFACE	Asphalt	WEATHER	Hazy
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THIS OBSERVATION	LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105 )
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

DATE 9-11-78  
TIME 1:36-2:32 NR  
2:44-3:53 SB

	PASSENGER CARS						TRUCKS					
	ALL			INDIANA			NON-INDIANA			ALL		
OBSERVATION	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-
NUMBER OF VEHICLES	269	315		173	174		96	141		159	141	
AVE. SPEED (MPH)	60.80	59.97		60.40	59.83		61.50	60.13		60.70	58.65	
STANDARD DEVIATION	4.353	4.240		4.267	4.106		4.437	4.408		4.812	4.747	
-24 MPH	0	0		0	0		0	0		0	0	
-29 MPH	0	0		0	0		0	0		0	0	
-34 MPH	0	0		0	0		0	0		0	0	
-39 MPH	0	0		0	0		0	0		0	0	
-44 MPH	0	0		0	0		0	0		0	0	
-49 MPH	0	0		0	0		0	0		0	0	
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN												
54 MPH	5.6	7.0		6.4	7.5		4.2	6.4		7.6	14.9	
59 MPH	43.1	46.3		46.8	46.0		36.5	46.8		45.9	57.4	
64 MPH	81.0	87.5		83.2	87.4		77.1	87.9		80.5	90.1	
69 MPH	95.2	97.5		95.4	98.3		96.9	96.5		96.9	98.6	
74 MPH	99.3	99.7		100.0	100.0		97.9	99.3		98.7	100.0	
79 MPH	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	
84 MPH	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	
89 MPH	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	
DIRECTION NB												
NUMBER OF VEHICLES	142	150		93	81		49	69		76	83	
AVERAGE SPEED	61.80	60.03		61.30	60.10		62.70	59.94		61.80	58.34	
DIRECTION SB												
NUMBER OF VEHICLES	127	165		80	93		47	72		83	58	
AVERAGE SPEED	59.60	59.91		59.30	59.59		60.20	60.32		59.60	59.09	

# TABLE 5 SPEED DATA

STATION RI-7 HIGHWAY I-65 LOCATION 9.7 miles south of US 50

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Sunny

THIS OBSERVATION DATE 8-22-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

TIME 12:47-1:21 NB DATE \_\_\_\_\_

TIME 11:48-12:31 SB DATE \_\_\_\_\_

PASSENGER CARS										TRUCKS																						
ALL					INDIANA					NON-INDIANA					ALL					<5000 LBS.					>5000 LBS.							
OBSERVATION	LAST		ENT		PRES-	LAST	ENT		PRES-	LAST	ENT		PRES-	LAST	ENT		PRES-	LAST	ENT		PRES-	LAST	ENT		PRES-	LAST	ENT		PRES-	LAST		
	ENT	PRES-	ENT	PRES-			ENT	PRES-			ENT	PRES-			ENT	PRES-			ENT	PRES-			ENT	PRES-			ENT	PRES-			ENT	PRES-
NUMBER OF VEHICLES	0	219	0	98		0	121	0	223		0	52	0	164		0	52	0	164		0	52	0	164		0	52	0	164		0	52
AVE. SPEED (MPH)	0	59.57	0	58.40		0	60.52	0	60.48		0	58.54	0	61.18		0	58.54	0	61.18		0	58.54	0	61.18		0	58.54	0	61.18		0	58.54
STANDARD DEVIATION	0	4.420	0	3.663		0	4.756	0	4.789		0	5.022	0	4.518		0	5.022	0	4.518		0	5.022	0	4.518		0	5.022	0	4.518		0	5.022
24 MPH	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0	0	0	
29 MPH	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0	0	0	
34 MPH	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0	0	0	
39 MPH	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0	0	0	
44 MPH	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0	0	0	
49 MPH	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0	0	0	
54 MPH	0	10.5	0	12.2		0	9.1	0	9.4		0	1.2	0	1.2		0	1.2	0	1.2		0	1.2	0	1.2		0	1.2	0	1.2		0	1.2
59 MPH	0	51.1	0	61.2		0	43.0	0	42.9		0	20.3	0	20.3		0	20.3	0	20.3		0	20.3	0	20.3		0	20.3	0	20.3		0	20.3
64 MPH	0	87.7	0	95.9		0	81.0	0	77.6		0	84.7	0	75.0		0	84.7	0	75.0		0	84.7	0	75.0		0	84.7	0	75.0		0	84.7
69 MPH	0	96.3	0	100.0		0	94.2	0	92.8		0	98.3	0	97.6		0	98.3	0	97.6		0	98.3	0	97.6		0	98.3	0	97.6		0	98.3
74 MPH	0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0
79 MPH	0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0
84 MPH	0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0
89 MPH	0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0	0	100.0		0	100.0
DIRECTION SB																																
NUMBER OF VEHICLES	0	114	0	51		0	63	0	107		0	24	0	83		0	24	0	83		0	24	0	83		0	24	0	83		0	83
AVERAGE SPEED	0	59.85	0	58.73		0	60.76	0	60.92		0	58.67	0	61.57		0	58.67	0	61.57		0	58.67	0	61.57		0	58.67	0	61.57		0	61.57
DIRECTION NB																																
NUMBER OF VEHICLES	0	105	0	47		0	58	0	116		0	35	0	81		0	35	0	81		0	35	0	81		0	35	0	81		0	81
AVERAGE SPEED	0	59.27	0	58.04		0	60.25	0	60.08		0	58.45	0	60.78		0	58.45	0	60.78		0	58.45	0	60.78		0	58.45	0	60.78		0	60.78

# TABLE 6. SPEED DATA

STATION RI-16 HIGHWAY I-70 LOCATION 13.9 miles west of US 27

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Fair

THIS OBSERVATION DATE 8-16-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

TIME 9:48-10:48 PM EB DATE \_\_\_\_\_

8:25-9:41 PM WB TIME \_\_\_\_\_

										TRUCKS									
										PASSENGER CARS					ALL				
										INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
										PRES-	LAST	PRES-	LAST	PRES-	LAST	PRES-	LAST	PRES-	LAST
OBSERVATION										ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST
NUMBER OF VEHICLES										0	179	0	179	0	255	0	35	0	220
AVE. SPEED (MPH)										0	57.34	0	57.34	0	58.15	0	56.02	0	58.50
STANDARD DEVIATION										0	4.892	0	4.890	0	4.443	0	4.087	0	4.410
24 MPH										0	0	0	0	0	0	0	0	0	0
29 MPH										0	0	0	0	0	0	0	0	0	0
34 MPH										0	0	0	0	0	0	0	0	0	0
39 MPH										0	0	0	0	0	0	0	0	0	0
44 MPH										0	6	0	6	0	4	0	5	0	5
49 MPH										0	5.2	0	5.0	0	3.1	0	5.7	0	2.7
54 MPH										0	25.7	0	25.7	0	18.0	0	31.4	0	15.9
59 MPH										0	69.3	0	69.3	0	61.2	0	80.2	0	58.2
64 MPH										0	92.2	0	92.2	0	93.3	0	100.2	0	92.3
69 MPH										0	99.4	0	99.4	0	100.0	0	100.2	0	100.0
74 MPH										0	99.4	0	99.4	0	100.0	0	100.2	0	100.0
79 MPH										0	99.4	0	99.4	0	100.0	0	100.2	0	100.0
84 MPH										0	100.0	0	100.0	0	100.0	0	100.2	0	100.0
89 MPH										0	100.2	0	100.0	0	100.0	0	100.2	0	100.0
DIRECTION EB										0	100.2	0	100.0	0	100.0	0	100.2	0	100.0
NUMBER OF VEHICLES										0	85	0	86	0	130	0	14	0	116
AVERAGE SPEED										0	57.98	0	57.98	0	58.32	0	56.64	0	58.50
DIRECTION WB										0	93	0	93	0	125	0	21	0	104
NUMBER OF VEHICLES										0	56.75	0	56.75	0	58.00	0	55.57	0	58.49
AVERAGE SPEED										0	56.75	0	56.75	0	58.00	0	55.57	0	58.49

# TABLE 7 SPEED DATA

STATION RI-24 HIGHWAY I-69 LOCATION 2.4 miles north of SR 4 WEATHER Partly cloudy

NO. OF LANES 4 TYPE OF SURFACE Concrete

THIS OBSERVATION DATE 8-9-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

DATE 12:53-1:36 PM NB TIME 1:46-2:30 PM SB

OBSERVATION	PASSENGER CARS						TRUCKS					
	ALL	INDIANA	NON-INDIANA	ALL	PRES-	PRES-	<5000 LBS.	5000 LBS.	>5000 LBS.	PRES-	PRES-	PRES-
NUMBER OF VEHICLES	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT
AVE. SPEED (MPH)	0	303	0	166	0	137	0	179	0	81	0	98
STANDARD DEVIATION	0	58.45	0	58.08	0	58.89	0	57.47	0	56.82	0	58.02
24 MPH	0	4.197	0	4.487	0	3.784	0	5.349	0	4.662	0	5.822
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	0	1.2	0	1.2	0	1.7	0	1.7	0	3.1	0	3.1
54 MPH	0	15.8	0	20.5	0	10.2	0	27.2	0	34.5	0	22.4
59 MPH	0	65.0	0	69.3	0	59.9	0	64.2	0	76.5	0	54.1
64 MPH	0	92.1	0	90.4	0	94.2	0	92.7	0	93.8	0	91.8
69 MPH	0	99.0	0	92.4	0	98.5	0	98.9	0	98.3	0	99.0
74 MPH	0	99.7	0	92.4	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	0	160	0	89	0	71	0	84	0	43	0	41
AVERAGE SPEED	0	58.39	0	58.24	0	58.59	0	57.80	0	57.79	0	57.80
DIRECTION SB												
NUMBER OF VEHICLES	0	143	0	77	0	66	0	95	0	38	0	57
AVERAGE SPEED	0	58.50	0	57.90	0	59.21	0	57.18	0	55.63	0	58.18



## TABLE 8 SPEED DATA

STATION RI-35 HIGHWAY I-74 LOCATION 1.55 miles west of SR 267NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER HazyTHIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)DATE 9-11-78TIME 12:06-1:05 EB10:54-12:00 WB

OBSERVATION	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	INDIANA			PRES-			PRES-			<5000 LBS.		
	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	LAST	ENT	LAST
NUMBER OF VEHICLES	0	265	0	135	0	130	0	172	0	56	0	116
AVERAGE SPEED (MPH)	0	58.75	0	57.83	0	59.71	0	58.14	0	58.14	0	58.14
STANDARD DEVIATION	0	4.862	0	4.798	0	4.758	0	5.176	0	4.538	0	5.475
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	1.2	0	0	0	1.7
44 MPH	0	.8	0	1.5	0	0	0	1.2	0	0	0	1.7
49 MPH	0	1.5	0	3.0	0	0	0	6.4	0	5.4	0	6.9
54 MPH	0	16.6	0	19.3	0	13.8	0	18.6	0	17.2	0	19.0
59 MPH	0	57.7	0	65.2	0	50.0	0	57.0	0	64.2	0	53.4
64 MPH	0	88.7	0	97.4	0	86.9	0	91.9	0	94.5	0	90.5
69 MPH	0	98.1	0	100.0	0	96.2	0	100.0	0	100.0	0	100.0
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION WB												
NUMBER OF VEHICLES	0	145	0	75	0	70	0	75	0	23	0	46
AVERAGE SPEED	0	59.11	0	57.84	0	60.47	0	58.27	0	57.69	0	58.63
DIRECTION EB												
NUMBER OF VEHICLES	0	120	0	60	0	60	0	97	0	27	0	70
AVERAGE SPEED	0	58.32	0	57.82	0	58.82	0	58.04	0	58.63	0	57.81

## TABLE 9. SPEED DATA

STATION 4L-17 HIGHWAY US 52 LOCATION 150' east of county road 475 W

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Partly cloudy

## THIS OBSERVATION

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

DATE 8-1-78

DATE 5-10-78

TIME 1:03-2:18 EB

TIME 9:25-10:45 EB

9:48-11:23 WB

12:35-2:05 WB

OBSERVATION	PASSENGER CARS						TRUCKS					
	ALL			INDIANA			NON-INDIANA			ALL		
	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST
NUMBER OF VEHICLES	278	276	246	252	24	151	164	89	102	52	62	52
AVE. SPEED (MPH)	56.80	55.92	56.60	55.88	58.00	57.17	56.10	55.76	54.62	55.80	57.63	57.63
STANDARD DEVIATION	5.900	5.352	6.000	5.540	5.000	7.250	6.169	7.040	5.560	7.580	6.690	6.690
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	4	0	4	0	0	0	0	0	0	0	0	0
34 MPH	4	0	4	0	0	0	0	0	0	0	0	0
39 MPH	7	4	8	4	0	1.3	1.2	0	0	3.2	3.2	3.2
44 MPH	4.0	2.9	4.5	3.2	0	6.0	3.7	3.4	3.9	9.7	3.2	3.2
49 MPH	8.3	8.7	8.5	9.5	0	13.9	14.0	10.1	16.7	19.4	9.7	9.7
54 MPH	28.8	37.2	30.9	39.3	12.5	35.1	36.6	40.5	46.1	27.4	21.0	21.0
TRAVELING	59 MPH	71.9	80.4	72.4	80.2	68.8	83.3	74.2	75.0	78.7	81.4	67.7
AT OR	64 MPH	91.0	94.2	91.9	94.4	84.4	100.0	92.7	93.3	94.4	97.1	90.3
LESS THAN	69 MPH	98.2	97.5	97.2	100.0	100.0	100.0	98.7	98.2	97.8	100.0	95.2
74 MPH	99.6	100.0	99.6	100.0	100.0	100.0	100.0	99.3	100.0	98.9	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	100.0	98.9	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	100.0	98.9	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	100.0	98.9	100.0	100.0
DIRECTION WB	146	157	131	142	15	69	70	43	40	26	30	30
NUMBER OF VEHICLES	56.20	56.46	55.90	56.35	58.10	57.53	56.00	54.60	55.40	54.30	56.80	56.80
AVERAGE SPEED	132	119	115	110	17	82	94	46	62	36	32	32
DIRECTION EB	57.40	55.37	57.30	55.27	57.80	56.56	55.57	57.90	54.11	57.00	58.41	58.41
NUMBER OF VEHICLES	57.40	55.37	57.30	55.27	57.80	56.56	55.57	57.90	54.11	57.00	58.41	58.41
AVERAGE SPEED	57.40	55.37	57.30	55.27	57.80	56.56	55.57	57.90	54.11	57.00	58.41	58.41



## TABLE 10 SPEED DATA

STATION 4L-32 HIGHWAY US 30 LOCATION 2.9 miles west of Wanatah city limit sign

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Fair

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

DATE 8-21-78

DATE 5-19-78

TIME 11:48-12:50 EB

TIME 12:13-1:09 PM EB

11:01-11:41 WB

11:07-12:04 WB

## PASSENGER CARS

## TRUCKS

OBSERVATION	ALL			INDIANA			NON-INDIANA			ALL			<5000 LBS.			>5000 LBS.		
	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST
NUMBER OF VEHICLES	180	249	131	149	49	49	100	100	248	195	47	66	201	129				
AVE. SPEED (MPH)	57.50	58.67	57.40	58.78	57.50	58.51	58.50	57.49	58.50	57.49	57.30	56.32	58.80	58.09				
STANDARD DEVIATION	4.790	4.792	4.510	4.554	5.540	5.026	4.530	4.101	4.130	4.301	4.590	3.877						
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
44 MPH	6	8	8	0	0	0	2.0	0	1.2	0	0	0	1.4	0				
49 MPH	2.8	2.8	2.8	2.0	8.2	4.0	2.8	3.6	7.6	2.5	1.6							
54 MPH	27.8	18.1	27.5	16.1	28.6	21.0	16.2	22.1	23.4	30.3	15.4	17.8						
59 MPH	69.4	59.0	71.8	59.7	63.3	58.2	55.2	66.2	68.1	71.2	52.2	63.6						
64 MPH	92.2	91.2	92.4	89.3	91.8	94.0	91.9	96.4	97.9	97.0	90.6	96.1						
69 MPH	97.8	98.0	98.5	98.7	95.9	97.0	100.0	100.0	100.0	100.0	100.0	100.0						
74 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0						
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0						
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0						
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0						
DIRECTION EB	94	132	68	77	26	55	121	92	24	30	97	62						
NUMBER OF VEHICLES	57.60	59.02	57.70	58.92	57.50	59.16	59.30	57.87	56.80	56.40	59.90	58.58						
AVERAGE SPEED	86	117	63	72	23	45	127	103	23	36	124	67						
DIRECTION WB	57.30	58.27	57.20	58.62	57.50	57.71	57.80	57.15	57.80	56.25	57.80	57.63						
NUMBER OF VEHICLES																		
AVERAGE SPEED																		

## TABLE 11 SPEED DATA

STATION 4L-20 HIGHWAY US 421 LOCATION 1 mile north of SR 2

NO. OF LANES 4 TYPE OF SURFACE Asphalt

WEATHER Partly cloudy, warm

## THIS OBSERVATION

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105 )

DATE 8-3-78

DATE 7-19-77

TIME 10:07-11:21 AM NB

TIME 10:19-11:33 AM NB

12:26-1:33 PM SB

12:12-1:25 PM SB

## PASSENGER CARS

## TRUCKS

	ALL			INDIANA			NON-INDIANA			ALL			<5000 LBS.			>5000 LBS.		
	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST	PRES-	ENI	LAST
OBSERVATION	LAST	ENI	LAST	LAST	ENI	LAST	LAST	ENI	LAST	LAST	ENI	LAST	LAST	ENI	LAST	LAST	ENI	LAST
NUMBER OF VEHICLES	266	254	188	212	78	42	174	187	55	68	119	119	55	68	119	119	119	119
AVE. SPEED (MPH)	56.70	58.07	56.30	58.22	57.80	57.35	53.50	57.20	55.90	56.00	52.50	52.50	55.90	56.00	52.50	52.50	57.88	57.88
STANDARD DEVIATION	6.232	5.998	6.319	6.298	5.939	4.154	6.339	6.811	6.603	5.556	5.927	5.927	6.603	5.556	5.927	5.927	7.369	7.369
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	1.5	4	1.1	5	2.6	0	2.3	1.6	0	0	3.4	3.4	0	0	3.4	3.4	2.5	2.5
44 MPH	3.4	1.2	3.7	1.4	2.6	0	6.9	5.9	7.3	0	6.7	6.7	7.3	0	6.7	6.7	9.2	9.2
49 MPH	9.8	7.5	11.7	8.0	5.1	4.8	23.6	10.7	14.6	8.3	27.7	27.7	14.6	8.3	27.7	27.7	11.8	11.8
54 MPH	35.0	22.4	38.3	23.1	26.9	19.0	55.2	34.2	41.8	50.0	61.3	61.3	41.8	50.0	61.3	61.3	25.2	25.2
59 MPH	69.2	62.2	70.7	60.8	65.4	69.0	82.2	59.9	69.1	70.5	88.2	88.2	69.1	70.5	88.2	88.2	53.8	53.8
AT OR	90.6	90.6	91.0	90.1	89.7	92.2	96.0	85.0	89.1	91.2	99.2	99.2	89.1	91.2	99.2	99.2	81.5	81.5
LESS THAN	97.4	97.6	98.4	97.2	94.9	100.0	100.0	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.5	97.5
74 MPH	100.0	99.2	100.0	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	99.6	100.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	99.6	100.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	99.6	100.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB	138	141	100	117	38	24	92	80	32	30	60	60	32	30	60	60	50	50
NUMBER OF VEHICLES	57.20	57.15	56.70	57.02	58.50	57.83	52.60	53.15	55.20	53.17	51.30	51.30	55.20	53.17	51.30	51.30	53.14	53.14
AVERAGE SPEED	128	113	88	95	40	18	82	107	23	38	59	59	23	38	59	59	69	69
DIRECTION SB	56.20	52.22	55.80	59.69	57.20	56.72	54.60	60.22	56.90	58.24	53.50	53.50	56.90	58.24	53.50	53.50	61.32	61.32
NUMBER OF VEHICLES	56.20	52.22	55.80	59.69	57.20	56.72	54.60	60.22	56.90	58.24	53.50	53.50	56.90	58.24	53.50	53.50	61.32	61.32
AVERAGE SPEED	128	113	88	95	40	18	82	107	23	38	59	59	23	38	59	59	69	69

TABLE 12--SPEED DATA

STATION 4L-21 HIGHWAY US 31 LOCATION 2.8 miles south of US 431 north of Carmel\*NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Hazy

## THIS OBSERVATION

DATE 8-25-78TIME 11:46-12:33 NB10:48-11:34 SBLAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)DATE 7-26-72TIME 10:15-10:53 AM SB11:08-11:50 AM NB

PASSENGER CARS										TRUCKS																			
ALL					INDIANA					NON-INDIANA					ALL					<5000 LBS.					>5000 LBS.				
OBSERVATION		LAST		PRES-		LAST		PRES-		LAST		PRES-		LAST		PRES-		LAST		PRES-		LAST		PRES-					
NUMBER OF VEHICLES	290	294	290	247	0	47	0	47	0	140	137	0	67	71	0	66	0	137	0	67	71	0	73	0					
AVERAGE SPEED (MPH)	58.00	57.52	58.00	57.66	0	57.19	56.80	57.23	57.00	57.82	56.50	56.61	57.00	57.82	56.50	56.61	0	57.23	57.00	57.82	56.50	56.61	0	56.61					
STANDARD DEVIATION	4.377	4.856	4.377	4.922	0	4.342	5.457	4.887	5.120	5.044	5.778	4.670	5.120	5.044	5.778	4.670	0	4.887	5.120	5.044	5.778	4.670	0	4.670					
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN	3.1	3.4	3.1	3.6	0	2.1	7.1	8.0	6.0	7.0	8.2	9.1	6.0	7.0	8.2	9.1	0	2.1	7.1	8.0	6.0	7.0	8.2	9.1					
49 MPH	20.0	24.8	20.0	23.5	0	31.9	27.3	26.3	25.4	22.5	30.3	30.3	25.4	22.5	30.3	30.3	0	31.9	27.3	26.3	25.4	22.5	30.3	30.3					
59 MPH	67.2	70.1	67.2	70.0	0	70.2	69.3	73.0	73.1	67.6	65.8	78.8	73.1	67.6	65.8	78.8	0	70.2	69.3	73.0	73.1	67.6	65.8	78.8					
64 MPH	91.4	91.8	91.4	91.1	0	95.7	92.9	92.7	91.0	91.5	93.9	93.9	91.0	91.5	94.5	93.9	0	95.7	92.9	92.7	91.0	91.5	94.5	93.9					
69 MPH	99.3	98.3	99.3	98.0	0	100.0	99.3	98.5	100.0	98.5	98.6	98.5	100.0	98.5	98.6	98.5	0	100.0	99.3	98.5	100.0	98.5	98.6	98.5					
74 MPH	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
79 MPH	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
84 MPH	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
89 MPH	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
DIRECTION	SB																												
NUMBER OF VEHICLES	138	146	138	118	0	28	72	70	34	33	38	37	34	33	38	37	0	28	72	70	34	33	38	37					
AVERAGE SPEED	58.50	57.35	58.50	57.43	0	57.00	57.70	56.44	57.50	57.91	57.90	55.14	57.50	57.91	57.90	55.14	0	57.00	57.70	56.44	57.50	57.91	57.90	55.14					
DIRECTION	NB																												
NUMBER OF VEHICLES	152	148	152	129	0	19	68	67	33	33	35	29	33	33	35	29	0	19	68	67	33	33	35	29					
AVERAGE SPEED	57.60	57.82	57.60	57.88	0	57.47	55.80	58.06	56.50	57.74	55.20	58.48	56.50	57.74	55.20	58.48	0	57.47	55.80	58.06	56.50	57.74	55.20	58.48					



## TABLE 13 SPEED DATA

STATION 4L-6 HIGHWAY US 40 LOCATION 1.75 miles west of Brazil city limit sign

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Sunny

THIS OBSERVATION DATE 9-8-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

TIME 1:20-2:10 EB DATE \_\_\_\_\_

11:17-12:25 WB TIME \_\_\_\_\_

OBSERVATION	PASSENGER CARS						TRUCKS					
	ALL			INDIANA			NON-INDIANA			ALL		
	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST
NUMBER OF VEHICLES	0	290	0	279	0	11	0	146	0	25	0	51
AVE. SPEED (MPH)	0	56.30	0	56.28	0	56.91	0	54.34	0	54.94	0	53.24
STANDARD DEVIATION	0	5.544	0	5.702	0	4.036	0	5.497	0	5.863	0	5.652
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	2.1	0	2.2	0	0	0	6.2	0	4.2	0	9.8
49 MPH	0	11.0	0	11.5	0	0	0	18.5	0	16.5	0	21.6
54 MPH	0	35.2	0	36.2	0	27.3	0	51.4	0	48.4	0	56.9
59 MPH	0	73.4	0	73.5	0	72.7	0	84.2	0	82.1	0	88.2
64 MPH	0	93.4	0	93.2	0	100.0	0	96.6	0	94.7	0	100.0
69 MPH	0	97.2	0	97.8	0	100.0	0	97.9	0	96.3	0	100.0
74 MPH	0	99.3	0	99.3	0	100.0	0	98.6	0	97.2	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	99.3	0	98.2	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION WB												
NUMBER OF VEHICLES	0	142	0	137	0	5	0	71	0	45	0	26
AVERAGE SPEED	0	55.23	0	56.25	0	55.60	0	55.25	0	55.98	0	54.00
DIRECTION EB												
NUMBER OF VEHICLES	0	148	0	142	0	6	0	75	0	50	0	25
AVERAGE SPEED	0	56.37	0	56.30	0	58.00	0	53.48	0	54.00	0	52.44

# TABLE 14. SPEED DATA

STATION 4L-7 HIGHWAY US 40 LOCATION 5.35 miles east of US 231

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Hazy

THIS OBSERVATION DATE 9-29-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

TIME 10:42-1:23 EB DATE  
TIME

1:34-4:00 WB

PASSENGER CARS										TRUCKS																													
ALL					INDIANA					NON-INDIANA					ALL					<5000 LBS.					>5000 LBS.														
PRES-		ENT		LAST	PRES-		ENT		LAST	PRES-		ENT		LAST	PRES-		ENT		LAST	PRES-		ENT		LAST	PRES-		ENT		LAST										
OBSERVATION																																							
NUMBER OF VEHICLES										0	245	0	224	0	21	0	186	0	101	0	85	0	85	0	85	0	85	0	85	0	85	0	85						
AVE. SPEED (MPH)										0	56.74	0	56.71	0	57.05	0	55.03	0	55.72	0	55.72	0	54.24	0	54.24	0	54.24	0	54.24	0	54.24	0	54.24						
STANDARD DEVIATION										0	5.814	0	5.967	0	3.918	0	6.385	0	5.072	0	5.072	0	6.688	0	6.688	0	6.688	0	6.688	0	6.688	0	6.688						
24 MPH										0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
29 MPH										0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
34 MPH										0	0	0	0	0	0	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
39 MPH										0	0	0	0	0	0	2.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
44 MPH										0	3.3	0	3.6	0	0	4.8	0	4.0	0	4.0	0	5.9	0	5.9	0	5.9	0	5.9	0	5.9	0	5.9	0	5.9	0	5.9			
49 MPH										0	9.4	0	9.8	0	4.8	0	14.0	0	13.2	0	14.1	0	14.1	0	14.1	0	14.1	0	14.1	0	14.1	0	14.1	0	14.1	0	14.1		
54 MPH										0	32.7	0	33.0	0	28.6	0	41.9	0	42.6	0	41.2	0	41.2	0	41.2	0	41.2	0	41.2	0	41.2	0	41.2	0	41.2	0	41.2		
59 MPH										0	70.2	0	70.5	0	66.7	0	72.6	0	73.3	0	73.3	0	87.1	0	87.1	0	87.1	0	87.1	0	87.1	0	87.1	0	87.1	0	87.1		
64 MPH										0	92.7	0	92.4	0	95.2	0	94.6	0	94.1	0	95.3	0	95.3	0	95.3	0	95.3	0	95.3	0	95.3	0	95.3	0	95.3	0	95.3		
69 MPH										0	98.0	0	97.8	0	100.0	0	98.9	0	99.0	0	98.8	0	98.8	0	98.8	0	98.8	0	98.8	0	98.8	0	98.8	0	98.8	0	98.8		
74 MPH										0	92.2	0	92.1	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0		
79 MPH										0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0		
84 MPH										0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0		
89 MPH										0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0		
DIRECTION BB																																							
NUMBER OF VEHICLES										0	115	0	107	0	8	0	97	0	45	0	52	0	52	0	52	0	52	0	52	0	52	0	52	0	52	0	52		
AVERAGE SPEED										0	57.18	0	57.11	0	58.13	0	54.19	0	54.95	0	54.95	0	53.52	0	53.52	0	53.52	0	53.52	0	53.52	0	53.52	0	53.52				
DIRECTION WB																																							
NUMBER OF VEHICLES										0	130	0	117	0	13	0	89	0	56	0	33	0	33	0	33	0	33	0	33	0	33	0	33	0	33	0	33		
AVERAGE SPEED										0	56.35	0	56.35	0	56.38	0	55.96	0	56.30	0	56.30	0	55.36	0	55.36	0	55.36	0	55.36	0	55.36	0	55.36	0	55.36	0	55.36		

NO. OF LANES	TYPE OF SURFACE	WEATHER
4	Asphalt	Cloudy

THIS OBSERVATION

DATE 8-17-78  
TIME 12:45-2:58

	PASSENGER CARS						TRUCKS								
	ALL INDIANA			NON-INDIANA			ALL			<5000 LBS.			>5000 LBS.		
	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST
OBSERVATION															
NUMBER OF VEHICLES	248			222			26			177			113		
AVE. SPEED (MPH)	54.55			54.45			55.42			52.90			54.01		
STANDARD DEVIATION	6.383			6.520			5.085			7.131			7.555		
-24 MPH															
-29 MPH															
-34 MPH															
-39 MPH															
-44 MPH															
-49 MPH															
-54 MPH															
-59 MPH															
-64 MPH															
-69 MPH															
-74 MPH															
-79 MPH															
-84 MPH															
-89 MPH															
DIRECTION WB															
NUMBER OF VEHICLES	130			117			13			83			52		
AVERAGE SPEED	54.32			54.16			55.69			52.75			53.45		
DIRECTION EB															
NUMBER OF VEHICLES	118			105			13			94			61		
AVERAGE SPEED	54.81			54.76			55.15			53.04			54.43		



TABLE 16. SPEED DATA

STATION 4L-22 HIGHWAY US 31 LOCATION 2.8 miles south of SR 26

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Fair

THIS OBSERVATION DATE 8-15-78

DATE 8-23-9:25 PM NB

TIME 9:30-10:45 PM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

	PASSENGER CARS										TRUCKS									
	ALL					INDIANA					NON-INDIANA					<5000 LBS.				
	PRES-	LAST	ENT	LAST	ENT	PRES-	LAST	ENT	LAST	ENT	PRES-	LAST	ENT	LAST	ENT	PRES-	LAST	ENT	LAST	ENT
OBSERVATION																				
NUMBER OF VEHICLES	0	298	0	298	0	0	0	0	0	0	0	137	0	69	0	68	0	68	0	68
AVERAGE SPEED (MPH)	0	57.62	0	57.60	0	0	0	0	0	0	0	56.39	0	55.23	0	57.56	0	57.56	0	57.56
STANDARD DEVIATION	0	5.086	0	5.086	0	0	0	0	0	0	0	5.576	0	5.864	0	5.044	0	5.044	0	5.044
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	1.5	0	2.2	0	0	0	0	0	0
44 MPH	0	3	0	3	0	0	0	0	0	0	0	2.9	0	4.3	0	1.5	0	1.5	0	1.5
49 MPH	0	4.0	0	4.0	0	0	0	0	0	0	0	9.5	0	14.2	0	4.6	0	4.6	0	4.6
54 MPH	0	25.8	0	25.8	0	0	0	0	0	0	0	32.1	0	39.1	0	25.0	0	25.0	0	25.0
59 MPH	0	70.1	0	70.1	0	0	0	0	0	0	0	70.8	0	76.3	0	64.7	0	64.7	0	64.7
64 MPH	0	90.9	0	90.9	0	0	0	0	0	0	0	95.6	0	95.7	0	95.6	0	95.6	0	95.6
69 MPH	0	97.3	0	97.3	0	0	0	0	0	0	0	99.3	0	100.0	0	98.5	0	98.5	0	98.5
74 MPH	0	99.3	0	99.3	0	0	0	0	0	0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.7	0	99.7	0	0	0	0	0	0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	0	0	0	0	0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	0	0	0	0	0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB																				
NUMBER OF VEHICLES	0	161	0	161	0	0	0	0	0	0	0	63	0	35	0	27	0	27	0	27
AVERAGE SPEED	0	58.01	0	58.01	0	0	0	0	0	0	0	56.67	0	56.33	0	57.11	0	57.11	0	57.11
DIRECTION SB																				
NUMBER OF VEHICLES	0	137	0	137	0	0	0	0	0	0	0	74	0	33	0	41	0	41	0	41
AVERAGE SPEED	0	57.12	0	57.12	0	0	0	0	0	0	0	56.15	0	54.03	0	57.85	0	57.85	0	57.85

## TABLE 17. SPEED DATA

STATION 2L-18 HIGHWAY US 34 LOCATION 2.5 miles east of I69

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Hazy

THIS OBSERVATION DATE 8-14-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

TIME 10:49-12:36 PM DATE 6-8-78

TIME 11:00 AM 1:03 PM

										TRUCKS									
										PASSENGER CARS									
										INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
										PRES-	ENI	PRES-	ENI	PRES-	ENI	PRES-	ENI	PRES-	ENI
										LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
OBSERVATION										283	305	257	242	26	63	146	150	79	74
NUMBER OF VEHICLES										57.60	56.60	57.50	56.59	58.10	56.65	55.30	54.56	56.10	54.55
AVE. SPEED (MPH)										6.080	5.085	6.110	5.206	5.810	4.629	6.360	4.931	6.410	4.714
STANDARD DEVIATION										0	0	0	0	0	0	0	0	0	0
24 MPH										0	0	0	0	0	0	0	0	0	0
29 MPH										0	0	0	0	0	0	0	0	0	0
34 MPH										0	0	0	0	0	0	0	0	0	0
39 MPH										0	0	0	0	0	0	0	0	0	0
44 MPH										2.1	3	2.3	4	0	0	6.2	2.0	5.1	2.7
49 MPH										7.1	7.2	7.4	7.4	3.8	6.3	15.8	13.3	12.7	12.2
54 MPH										27.9	33.4	27.6	34.3	30.8	30.2	43.2	49.3	38.0	48.5
59 MPH										67.1	74.4	67.7	75.6	61.5	69.8	73.3	86.0	70.9	87.8
64 MPH										88.0	93.8	88.3	92.6	84.6	98.4	93.2	97.3	89.9	98.6
69 MPH										96.5	98.4	96.1	97.9	100.0	100.0	99.3	100.0	98.7	100.0
74 MPH										99.3	100.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH										100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH										100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH										100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION										129	148	120	120	9	28	84	73	44	35
NUMBER OF VEHICLES										58.40	57.08	58.30	57.17	58.90	56.68	56.20	55.23	57.70	54.94
AVERAGE SPEED										154	157	137	122	17	35	62	77	35	39
DIRECTION										56.90	56.15	56.80	56.01	57.70	56.63	54.00	53.92	54.20	54.21
NUMBER OF VEHICLES										154	157	137	122	17	35	62	77	35	39
AVERAGE SPEED										56.90	56.15	56.80	56.01	57.70	56.63	54.00	53.92	54.20	54.21

## TABLE 18 SPEED DATA

STATION 2L-54 HIGHWAY US 231 LOCATION 1.1 mile south of SR 234 WEATHER Partly Cloudy

NO. OF LANES 2 TYPE OF SURFACE Asphalt

THIS OBSERVATION DATE 8-18-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

DATE 8-18-78 DATE 5-11-78

TIME 10:18-11:52 AM TIME 10:00 AM - 12:50 PM

	PASSENGER CARS						TRUCKS					
	INDIANA			NON-INDIANA			ALL			<5000 LBS.		
	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	LAST	PRES-	ENT	>5000 LBS.
OBSERVATION	LAST	ENT	LAST	LAST	ENT	LAST	LAST	ENT	LAST	LAST	ENT	LAST
NUMBER OF VEHICLES	241	253	216	208	25	45	196	192	86	93	110	99
AVERAGE SPEED (MPH)	55.70	57.00	55.60	56.79	56.30	57.93	55.80	56.51	56.20	56.03	55.50	56.95
STANDARD DEVIATION	5.820	5.644	5.810	5.538	6.040	6.088	6.480	6.346	7.200	6.852	5.882	5.832
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	8	0	9	0	0	0	0	1.0	0	2.2	0	0
44 MPH	5.0	1.5	5.1	1.4	4.0	2.2	4.6	4.7	3.5	6.5	5.4	3.0
49 MPH	10.8	6.3	11.6	7.2	4.0	2.2	14.8	11.5	16.3	11.8	13.6	11.1
54 MPH	38.6	31.2	38.0	31.3	44.0	31.1	41.3	33.3	40.7	43.0	41.8	24.2
59 MPH	78.8	73.2	79.2	75.5	76.0	66.7	74.5	68.8	70.9	73.1	77.3	64.6
64 MPH	94.6	91.3	95.4	92.8	88.0	84.4	92.3	89.6	87.2	86.0	96.4	92.9
69 MPH	98.8	97.5	98.6	93.1	100.0	95.5	98.0	97.9	96.5	97.3	99.1	98.0
74 MPH	100.0	99.2	100.0	99.5	100.0	97.8	98.5	100.0	97.7	100.0	99.1	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	110	122	102	102	8	20	102	89	43	40	59	49
AVERAGE SPEED	56.00	58.65	55.90	58.18	57.40	61.15	55.70	57.58	57.00	57.57	54.30	57.59
DIRECTION SB												
NUMBER OF VEHICLES	131	131	114	106	17	25	94	103	43	53	51	50
AVERAGE SPEED	55.40	55.44	55.30	55.46	55.80	55.35	55.80	55.57	55.30	54.87	56.30	56.32

## TABLE 19 SPEED DATA

STATION 2L-79 HIGHWAY SR 25 LOCATION .7 miles south of Americus WEATHER Fair

NO. OF LANES 2 TYPE OF SURFACE Asphalt

THIS OBSERVATION DATE 9-7-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)  
 DATE 7-22-77  
 TIME 9:14-12:15 PM TIME 9:24-11:15 AM

	PASSENGER CARS				NON-INDIANA				ALL				TRUCKS			
	ALL	PRES-	INDIANA	PRES-	ALL	PRES-	LASI	ENTI	ALL	PRES-	LASI	ENTI	<5000 LBS.	PRES-	>5000 LBS.	PRES-
OBSERVATION	LASI	ENTI	LASI	ENTI	LASI	ENTI	LASI	ENTI	LASI	ENTI	LASI	ENTI	LASI	ENTI	LASI	ENTI
NUMBER OF VEHICLES	387	261	387	237	0	24	82	185	61	127	21	78				
AVE. SPEED (MPH)	54.80	56.86	54.80	56.97	0	55.79	52.30	55.72	52.60	55.43	51.50	56.12				
STANDARD DEVIATION	5.919	5.623	5.919	5.687	0	4.925	5.356	5.235	5.359	5.364	5.400	5.061				
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0				
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0				
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0				
39 MPH	8	0	8	0	0	0	0	0	0	0	0	0				
44 MPH	2.1	1.1	2.1	.8	0	4.2	8.5	2.2	1.6	2.8	14.3	1.3				
49 MPH	14.7	4.6	14.7	4.6	0	4.2	25.6	9.7	24.6	11.2	28.6	7.7				
54 MPH	50.7	33.3	50.7	32.5	0	41.7	70.7	37.3	70.5	39.3	71.4	34.6				
59 MPH	86.1	73.2	86.1	72.6	0	79.2	90.2	80.5	88.5	83.2	95.2	75.9				
64 MPH	94.8	92.7	94.8	92.0	0	100.0	98.8	93.5	98.4	91.6	100.0	96.2				
69 MPH	97.4	96.6	97.4	96.2	0	100.0	100.0	98.9	100.0	99.1	100.0	98.7				
74 MPH	98.4	98.2	98.4	98.7	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
79 MPH	99.5	100.0	99.5	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
84 MPH	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
89 MPH	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
DIRECTION NB																
NUMBER OF VEHICLES	225	135	225	120	0	15	38	96	23	54	15	42				
AVERAGE SPEED	54.50	56.10	54.50	56.27	0	54.67	52.30	56.09	52.40	55.39	52.30	57.00				
DIRECTION SB																
NUMBER OF VEHICLES	162	126	162	117	0	9	44	89	38	53	6	36				
AVERAGE SPEED	55.20	57.67	55.20	57.68	0	57.67	52.30	55.31	52.70	55.47	49.70	55.08				



TABLE 20. SPEED DATA

STATION 2L-91 HIGHWAY SR 43 LOCATION 2 miles south of Chalmers  
NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Partly cloudy  
THIS OBSERVATION DATE 8-4-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)  
DATE 8-4-78 DATE 8-18-77  
TIME 8:54-11:18 AM TIME 8:15 PM - 12:15 AM

	PASSENGER CARS						TRUCKS					
	ALL			INDIANA			NON-INDIANA			ALL		
OBSERVATION	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-
NUMBER OF VEHICLES	289	266	231	258	231	35	143	170	75	92	92	>5000 LBS. PRES-
AVE. SPEED (MPH)	57.00	56.82	56.90	56.74	58.30	57.86	55.10	55.45	55.10	55.37	55.20	55.55
STANDARD DEVIATION	6.185	5.428	6.220	5.556	5.831	4.440	6.292	5.157	6.756	5.574	5.786	4.651
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	4	0	0	4	0	0	0	0	0	0	0	0
34 MPH	4	0	0	4	0	0	0	0	0	0	0	0
39 MPH	1.0	4	1.2	4	0	0	0	0	0	0	0	0
44 MPH	2.8	1.5	3.1	1.3	0	2.9	2.1	2.9	2.7	3.3	1.5	2.6
49 MPH	8.0	7.1	8.1	6.9	6.4	8.6	16.8	10.6	20.0	10.2	13.2	10.3
54 MPH	29.4	29.7	29.5	32.5	29.0	11.4	46.2	38.2	45.3	39.1	47.1	37.2
59 MPH	69.9	72.6	70.5	73.2	64.5	68.6	76.2	84.1	76.0	80.4	76.5	88.5
64 MPH	21.3	24.4	22.3	23.9	83.9	97.1	94.4	96.5	93.3	95.7	95.6	97.4
69 MPH	26.9	28.5	26.9	28.3	96.8	100.0	97.2	97.6	96.0	96.7	98.5	98.7
74 MPH	98.6	99.2	98.4	99.1	100.0	100.0	99.3	100.0	98.7	100.0	100.0	100.0
79 MPH	120.0	120.0	120.0	120.0	100.0	100.0	100.0	102.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	150	132	132	113	18	19	69	83	36	45	33	38
AVERAGE SPEED	56.60	55.66	56.50	55.24	57.20	58.16	55.10	54.08	54.20	53.62	56.10	54.55
DIRECTION SB												
NUMBER OF VEHICLES	139	134	126	118	13	16	74	87	39	47	35	40
AVERAGE SPEED	57.40	58.10	57.20	58.18	59.70	57.50	55.20	56.76	55.20	56.98	54.30	56.50



# TABLE 21--SPEED DATA

STATION 2L-26 HIGHWAY SR 64 LOCATION 1.75 miles west of US 41 WEATHER Hazy

NO. OF LANES 2 TYPE OF SURFACE Asphalt

THIS OBSERVATION DATE 8-24-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

TIME 10:10 -12:18 DATE TIME

										TRUCKS									
										PASSENGER CARS					ALL				
										INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
										PRES-	ENT	PRES-	ENT	PRES-	ENT	PRES-	ENT	PRES-	ENT
OBSERVATION	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT
NUMBER OF VEHICLES	0	250	0	144	0	106	0	195	0	88	0	88	0	107	0	107	0	107	0
AVERAGE SPEED (MPH)	0	57.04	0	57.01	0	57.08	0	56.62	0	55.91	0	55.91	0	57.21	0	57.21	0	57.21	0
STANDARD DEVIATION	0	5.167	0	4.922	0	5.507	0	5.282	0	5.638	0	5.638	0	6.216	0	6.216	0	6.216	0
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIRECTION	EB																		
NUMBER OF VEHICLES	0	130	0	68	0	62	0	90	0	41	0	41	0	49	0	49	0	49	0
AVERAGE SPEED	0	57.38	0	57.06	0	57.73	0	57.31	0	56.82	0	56.82	0	57.73	0	57.73	0	57.73	0
DIRECTION	WB																		
NUMBER OF VEHICLES	0	120	0	76	0	44	0	105	0	47	0	47	0	58	0	58	0	58	0
AVERAGE SPEED	0	56.68	0	56.97	0	56.18	0	56.03	0	55.13	0	55.13	0	56.76	0	56.76	0	56.76	0

STATION 21-32 HIGHWAY SR 56 LOCATION .4 miles west of Hanover WEATHER Hazy

NO. OF LANES 2 TYPE OF SURFACE Asphalt

THIS OBSERVATION DATE 8-23-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

TIME 8:41-10:39 DATE TIME

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
	PRES-	ENI	PRES-	ENI	PRES-	ENI	PRES-	ENI	PRES-	ENI	PRES-	ENI
OBSERVATION	LASI	LASI	LASI	LASI	LASI	LASI	LASI	LASI	LASI	LASI	LASI	LASI
NUMBER OF VEHICLES	0	286	0	227	0	52	0	160	0	105	0	55
AVE. SPEED (MPH)	0	53.64	0	53.86	0	52.78	0	51.69	0	52.37	0	50.38
STANDARD DEVIATION	0	6.073	0	6.353	0	4.792	0	6.356	0	6.004	0	6.849
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	1.3	0	0	0	3.6
39 MPH	0	3	0	4	0	0	0	2.5	0	1.2	0	5.5
44 MPH	0	6.6	0	7.5	0	3.4	0	12.5	0	9.5	0	18.2
49 MPH	0	22.4	0	21.1	0	27.1	0	29.4	0	27.5	0	32.7
54 MPH	0	57.3	0	55.5	0	64.4	0	68.8	0	64.3	0	76.4
59 MPH	0	86.0	0	84.6	0	91.5	0	90.6	0	88.5	0	94.5
64 MPH	0	96.2	0	95.2	0	100.0	0	96.9	0	95.2	0	100.0
69 MPH	0	98.5	0	98.2	0	100.0	0	92.4	0	99.2	0	100.0
74 MPH	0	99.3	0	99.1	0	100.0	0	100.2	0	100.2	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.2	0	100.2	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.2	0	100.0
89 MPH	0	100.2	0	100.0	0	100.0	0	100.2	0	100.2	0	100.0
DIRECTION	EB											
NUMBER OF VEHICLES	0	137	0	107	0	30	0	81	0	52	0	29
AVERAGE SPEED	0	53.28	0	53.32	0	53.13	0	51.63	0	51.88	0	51.17
DIRECTION	WB											
NUMBER OF VEHICLES	0	142	0	120	0	22	0	72	0	53	0	26
AVERAGE SPEED	0	53.97	0	54.35	0	52.41	0	51.75	0	52.85	0	49.50

## TABLE 23--SPEED DATA

STATION 2L-56 HIGHWAY US 24 LOCATION 1 mile west of Kentland city limit sign

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Fair

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

DATE 5-9-78 DATE  
TIME 7:55-1:55 AM TIME

										TRUCKS									
PASSENGER CARS					NON-INDIANA					ALL					<5000 LBS.				
ALL		INDIANA		PRES-		PRES-		PRES-		PRES-		PRES-		PRES-		PRES-		PRES-	
OBSERVATION	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST
NUMBER OF VEHICLES	0	245	0	246	0	0	0	0	0	0	0	117	0	51	0	0	0	0	0
AVERAGE SPEED (MPH)	0	57.61	0	57.61	0	0	0	0	0	0	0	56.75	0	57.24	0	0	0	0	0
STANDARD DEVIATION	0	6.712	0	6.712	0	0	0	0	0	0	0	6.647	0	8.622	0	0	0	0	0
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	2.0	0	2.0	0	0	0	0	0	0	0	1.7	0	3.2	0	0	0	0	0
49 MPH	0	8.9	0	8.9	0	0	0	0	0	0	0	12.8	0	13.7	0	0	0	0	0
54 MPH	0	29.3	0	29.3	0	0	0	0	0	0	0	31.6	0	37.3	0	0	0	0	0
59 MPH	0	67.1	0	67.1	0	0	0	0	0	0	0	70.2	0	72.5	0	0	0	0	0
64 MPH	0	86.2	0	86.2	0	0	0	0	0	0	0	92.3	0	84.3	0	0	0	0	0
69 MPH	0	94.3	0	94.3	0	0	0	0	0	0	0	96.6	0	92.2	0	0	0	0	0
74 MPH	0	98.4	0	98.4	0	0	0	0	0	0	0	97.4	0	94.1	0	0	0	0	0
79 MPH	0	100.0	0	100.0	0	0	0	0	0	0	0	99.1	0	98.0	0	0	0	0	0
84 MPH	0	100.0	0	100.0	0	0	0	0	0	0	0	99.1	0	98.0	0	0	0	0	0
89 MPH	0	100.0	0	100.0	0	0	0	0	0	0	0	100.0	0	100.0	0	0	0	0	0
DIRECTION EB																			
NUMBER OF VEHICLES	0	115	0	115	0	0	0	0	0	0	0	65	0	24	0	0	0	0	0
AVERAGE SPEED	0	57.34	0	57.34	0	0	0	0	0	0	0	56.45	0	55.88	0	0	0	0	0
DIRECTION WB																			
NUMBER OF VEHICLES	0	131	0	131	0	0	0	0	0	0	0	52	0	27	0	0	0	0	0
AVERAGE SPEED	0	57.85	0	57.85	0	0	0	0	0	0	0	57.13	0	58.44	0	0	0	0	0

## TABLE 24 SPEED DATA

STATION\_\_21-57\_\_\_\_  
HIGHWAY\_\_SR\_3\_\_\_\_\_  
LOCATION\_\_2.85 miles south of US 6

HIGHWAY SR 3

LOCATION - 2.85 miles south of US 6

WEATHER Sunny

TYPE OF SURFACE Asphalt

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105 )

THIS OBSERVATION

DATE 8-10-78

TIME 8:40-11:50 AM

OBSERVATION	PASSENGER CARS						TRUCKS									
	INDIANA			NON-INDIANA			ALL			<5000 LBS.			>5000 LBS.			
	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	
NUMBER OF VEHICLES	0	267	0	228	0	39	0	166	0	92	0	67	0	92	0	67
AVERAGE SPEED (MPH)	0	55.52	0	55.59	0	55.15	0	54.40	0	54.57	0	54.16	0	54.57	0	54.16
STANDARD DEVIATION	0	4.877	0	5.022	0	3.957	0	4.407	0	4.691	0	3.972	0	4.691	0	3.972
-24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-39 MPH	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0
-44 MPH	0	1.1	0	1.3	0	0	0	3.6	0	2.0	0	6.0	0	2.0	0	6.0
-49 MPH	0	7.5	0	7.5	0	7.7	0	11.4	0	12.1	0	10.4	0	12.1	0	10.4
-54 MPH	0	41.9	0	41.2	0	46.2	0	48.8	0	53.5	0	41.8	0	53.5	0	41.8
-59 MPH	0	83.1	0	82.9	0	84.6	0	89.8	0	85.9	0	95.5	0	85.9	0	95.5
-64 MPH	0	95.1	0	94.3	0	100.0	0	98.2	0	97.0	0	100.0	0	97.0	0	100.0
-69 MPH	0	98.5	0	98.2	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
-74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
-79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
-84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
-89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB	0	136	0	107	0	29	0	80	0	53	0	27	0	53	0	27
NUMBER OF VEHICLES	0	136	0	107	0	29	0	80	0	53	0	27	0	53	0	27
AVERAGE SPEED	0	55.02	0	54.78	0	55.93	0	54.34	0	54.43	0	54.15	0	54.43	0	54.15
DIRECTION SB	0	131	0	121	0	10	0	86	0	46	0	40	0	46	0	40
NUMBER OF VEHICLES	0	131	0	121	0	10	0	86	0	46	0	40	0	46	0	40
AVERAGE SPEED	0	56.05	0	56.31	0	52.90	0	54.47	0	54.72	0	54.17	0	54.72	0	54.17



## TABLE 25 SPEED DATA

STATION UI-6 HIGHWAY I65 LOCATION Just east of White RiverNO. OF LANES 6 TYPE OF SURFACE Concrete WEATHER HazyTHIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)DATE 8-8-78 DATE 5-31-78TIME 10:50-11:23 AM EB TIME 2:03-2:35 PM EBTIME 11:31-12:00 PM WB TIME 2:45-3:16 PM WB

PASSENGER CARS

TRUCKS

	ALL			INDIANA			NON-INDIANA			ALL			<5000 LBS.			>5000 LBS.		
	PRES-	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-
OBSERVATION	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-
NUMBER OF VEHICLES	275	325		229	260		46	65		161	183		80	82		31	101	
AVERAGE SPEED (MPH)	58.10	58.88		58.00	58.57		58.50	60.14		56.90	56.88		57.00	56.78		56.80	56.96	
STANDARD DEVIATION	5.000	4.482		5.070	4.461		4.670	4.366		5.060	4.847		4.960	5.140		5.190	4.619	
24 MPH	0	0		0	0		0	0		0	0		0	0		0	0	
29 MPH	0	0		0	0		0	0		0	0		0	0		0	0	
34 MPH	0	0		0	0		0	0		0	0		0	0		0	0	
39 MPH	0	0		0	0		0	0		0	0		0	0		0	0	
44 MPH	0	0		0	0		0	0		0	0		0	0		0	0	
49 MPH	3.6	1.8		4.4	1.2		0	1.5		2.5	1.1		0	2.4		4.9	0	
54 MPH	22.1	14.2		22.3	15.4		21.7	9.2		6.2	7.1		3.8	6.1		8.6	7.9	
59 MPH	61.5	58.2		62.9	60.4		54.3	49.2		24.8	22.5		31.3	28.0		18.5	30.7	
64 MPH	90.6	89.5		90.4	90.4		91.3	86.2		70.8	62.9		68.8	67.1		72.8	72.3	
69 MPH	27.8	27.5		27.8	27.7		27.8	26.2		99.4	100.0		98.8	100.0		97.5	97.0	
74 MPH	99.6	100.0		99.6	100.0		100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	
79 MPH	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	
84 MPH	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	
89 MPH	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	
DIRECTION EB																		
NUMBER OF VEHICLES	143	157		114	131		29	26		76	108		38	48		38	60	
AVERAGE SPEED	57.80	58.54		57.70	58.24		58.40	60.08		56.00	56.32		56.30	56.12		55.70	56.43	
DIRECTION WB																		
NUMBER OF VEHICLES	132	168		115	129		17	39		85	75		42	34		43	41	
AVERAGE SPEED	58.40	59.20		58.40	58.91		58.70	60.18		57.70	57.68		57.60	57.62		57.90	57.73	



STATION	UI-1	HIGHWAY	I94	LOCATION	See Note
NO. OF LANES	6	TYPE OF SURFACE	Concrete	WEATHER	Cloudy
THIS OBSERVATION		LAST PREVIOUS OBSERVATION	(SPEED REPORT NO. 105)		
DATE	8-7-78	DATE	7-20-77		
TIME	10:29-11:09 AM EB	TIME	10:47-11:17 AM WB		
	11:20-11:54 AM WB		11:46-12:14 PM EB		

THIS OBSERVATION

DATE 8-7-78  
TIME 10:29-11:09 AM EB  
11:20-11:54 AM WB

OBSERVATION	ALL			PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-
NUMBER OF VEHICLES	264	142		131	96		133	46		159	311		69	92	
AVE. SPEED (MPH)	57.20	57.64		56.50	57.80		57.90	57.30		56.80	57.07		56.40	55.69	
STANDARD DEVIATION	4.846	3.851		5.107	3.460		4.484	4.584		4.608	4.595		5.443	4.795	
24 MPH	0	0		0	0		0	0		0	0		0	0	
29 MPH	0	0		0	0		0	0		0	0		0	0	
34 MPH	0	0		0	0		0	0		0	0		0	0	
39 MPH	4	0		2.8	0		0	0		0	0.3		0	0	
44 MPH	1.9	0.7		3.0	0		2.8	2.2		1.3	1.6		1.5	1.7	
49 MPH	5.7	1.4		7.6	0		3.8	4.3		8.8	7.1		14.5	13.3	
54 MPH	25.8	17.6		32.1	14.6		19.5	23.9		23.8	22.8		31.9	37.2	
59 MPH	67.4	70.4		74.1	71.9		60.2	67.4		77.4	62.1		72.5	77.5	
64 MPH	95.8	96.5		96.2	96.9		95.5	95.7		96.9	97.1		95.7	96.6	
69 MPH	99.6	99.3		99.2	99.0		100.0	100.0		100.0	100.0		100.0	100.0	
74 MPH	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	
79 MPH	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	
84 MPH	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	
89 MPH	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	
DIRECTION															
NUMBER OF VEHICLES	133	83		52	53		81	30		78	156		25	34	
AVERAGE SPEED	57.50	57.94		57.10	58.34		57.80	57.23		57.10	57.37		56.60	56.12	
DIRECTION															
NUMBER OF VEHICLES	131	59		79	43		52	16		81	155		44	24	
AVERAGE SPEED	55.90	57.22		56.10	57.14		58.20	57.44		56.50	56.78		56.30	55.08	

Note - East Bound I94 first bridge east of Burr interchange  
West Bound moved due to construction I94 .7 miles west of Grant interchange

TABLE 27---SPEED DATA

STATION UI-7 HIGHWAY I-70 LOCATION 1.5 miles east of Keystone WEATHER Partly cloudy

NO. OF LANES 6 TYPE OF SURFACE Concrete

THIS OBSERVATION DATE 8-8-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

TIME 2:12-3:02 PM PB DATE \_\_\_\_\_

TIME 3:10-3:42 PM WB TIME \_\_\_\_\_

PASSENGER CARS										TRUCKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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# TABLE 28. SPEED DATA

STATION UI-2 HIGHWAY I-265 LOCATION 5.6 miles southwest of I-65

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Hazy

THIS OBSERVATION DATE 8-23-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

TIME 1:49-2:25 NB DATE \_\_\_\_\_

TIME 12:55-1:45 SB TIME \_\_\_\_\_

PASSENGER CARS										TRUCKS																																	
ALL					INDIANA					NON-INDIANA					ALL					<5000 LBS.					>5000 LBS.																		
PRES-					PRES-					PRES-					PRES-					PRES-					PRES-																		
LAST					LAST					LAST					LAST					LAST					LAST																		
ENT					ENT					ENT					ENT					ENT					ENT																		
OBSERVATION					OBSERVATION					OBSERVATION					OBSERVATION					OBSERVATION					OBSERVATION																		
NUMBER OF VEHICLES																				299	0	235	0	55	0	171	0	27	0	74	0	24	0	100	0	100	0	100	0	100	0		
AVE. SPEED (MPH)																				59.18	0	59.79	0	56.56	0	57.91	0	58.05	0	57.72	0	57.91	0	58.05	0	58.05	0	58.05	0	58.05	0	57.72	0
STANDARD DEVIATION																				6.781	0	6.918	0	5.493	0	5.031	0	4.381	0	5.799	0	5.799	0	5.799	0	5.799	0	5.799	0	5.799	0	5.799	0
24 MPH																				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29 MPH																				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34 MPH																				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
39 MPH																				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
44 MPH																				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PERCENT OF																				2	0	2	0	0	0	6	0	0	0	1.4	0	0	0	0	0	0	0	0	0	0	0	0	
49 MPH																				3.4	0	2.1	0	9.1	0	4.7	0	3.1	0	6.8	0	0	0	0	0	0	0	0	0	0	0	0	
54 MPH																				21.0	0	17.4	0	36.4	0	21.6	0	19.5	0	24.3	0	0	0	0	0	0	0	0	0	0	0	0	
TRAVELING																				60.0	0	57.0	0	72.7	0	64.3	0	66.2	0	62.2	0	0	0	0	0	0	0	0	0	0	0	0	
AT OR																				64	0	80.0	0	89.1	0	91.8	0	92.8	0	90.5	0	0	0	0	0	0	0	0	0	0	0		
LESS THAN																				81.7	0	91.9	0	98.2	0	98.8	0	100.0	0	97.3	0	0	0	0	0	0	0	0	0	0	0		
69 MPH																				93.1	0	95.7	0	100.0	0	100.0	0	100.0	0	100.0	0	0	0	0	0	0	0	0	0	0	0	0	
74 MPH																				96.6	0	99.0	0	100.0	0	100.0	0	100.0	0	100.0	0	0	0	0	0	0	0	0	0	0	0	0	
79 MPH																				99.0	0	99.7	0	100.0	0	100.0	0	100.0	0	100.0	0	0	0	0	0	0	0	0	0	0	0	0	
84 MPH																				99.7	0	99.6	0	100.0	0	100.0	0	100.0	0	100.0	0	0	0	0	0	0	0	0	0	0	0	0	
89 MPH																				99.7	0	99.6	0	100.0	0	100.0	0	100.0	0	100.0	0	0	0	0	0	0	0	0	0	0	0	0	
DIRECTION																				NR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NUMBER OF VEHICLES																				132	0	116	0	23	0	76	0	36	0	40	0	0	0	0	0	0	0	0	0	0	0	0	
AVERAGE SPEED																				59.63	0	60.29	0	56.30	0	58.14	0	58.97	0	57.40	0	0	0	0	0	0	0	0	0	0	0	0	
DIRECTION																				SR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NUMBER OF VEHICLES																				151	0	119	0	32	0	95	0	61	0	34	0	0	0	0	0	0	0	0	0	0	0	0	
AVERAGE SPEED																				58.75	0	59.29	0	56.75	0	57.72	0	57.51	0	58.09	0	0	0	0	0	0	0	0	0	0	0	0	

## TABLE 29 SPEED DATA

STATION RIALL HIGHWAY 4 lane rural LOCATION See Individual Stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

DATE July-September 1978 DATE April-June 1978

TIME TIME

OBSERVATION	PASSENGER CARS						TRUCKS					
	INDIANA			NON-INDIANA			<5000 LBS.			>5000 LBS.		
	ALL	PRES-	ALL	PRES-	ALL	PRES-	ALL	PRES-	ALL	PRES-	ALL	PRES-
NUMBER OF VEHICLES	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT
AVE. SPEED (MPH)	0	21.1	0	11.2	0	9.29	0	14.98	0	5.05	0	9.93
STANDARD DEVIATION	0	59.21	0	58.55	0	60.05	0	59.00	0	58.21	0	59.40
24 MPH	0	4.531	0	4.462	0	4.480	0	4.468	0	4.474	0	4.483
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	0	1.2	0	1.8	0	4	0	3.1	0	3.2	0	3.1
54 MPH	0	12.8	0	15.9	0	8.9	0	15.5	0	21.0	0	12.7
59 MPH	0	54.5	0	60.5	0	47.0	0	54.7	0	65.5	0	49.2
64 MPH	0	88.7	0	90.9	0	85.9	0	87.9	0	90.7	0	86.4
69 MPH	0	97.8	0	98.9	0	96.4	0	98.7	0	98.2	0	99.0
74 MPH	0	99.5	0	99.6	0	99.7	0	99.8	0	99.5	0	99.9
79 MPH	0	100.2	0	99.9	0	100.2	0	100.0	0	100.2	0	100.0
84 MPH	0	100.0	0	100.0	0	100.2	0	100.0	0	100.2	0	100.0
89 MPH	0	100.2	0	100.0	0	100.2	0	100.0	0	100.2	0	100.0



## TABLE --30--SPEED DATA

STATION 4LALL HIGHWAY 4\_lane\_rural LOCATION See Individual Stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

DATE July-September 1978 DATE April-June 1978

TIME TIME

		PASSENGER CARS				NON-INDIANA				ALL				TRUCKS			
		ALL		INDIANA		PRES-		PRES-		PRES-		PRES-		PRES-		PRES-	
		LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
OBSERVATION																	
NUMBER OF VEHICLES		0	2154	0	1983	0	271	0	1329	0	685	0	644	0	644	0	644
AVE. SPEED (MPH)		0	56.95	0	56.87	0	57.51	0	55.79	0	55.42	0	56.20	0	56.20	0	56.20
STANDARD DEVIATION		0	5.617	0	5.752	0	4.537	0	6.218	0	6.145	0	6.274	0	6.274	0	6.274
24 MPH		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH		0	2.1	0	2.3	0	1.1	0	4.1	0	3.2	0	1.4	0	1.4	0	1.4
49 MPH		0	7.8	0	8.4	0	3.7	0	14.0	0	15.2	0	5.0	0	5.0	0	5.0
54 MPH		0	30.8	0	31.7	0	24.7	0	38.1	0	42.3	0	33.7	0	33.7	0	33.7
59 MPH		0	70.2	0	71.3	0	67.9	0	73.6	0	75.3	0	71.3	0	71.3	0	71.3
64 MPH		0	92.5	0	92.1	0	95.2	0	97.8	0	94.5	0	92.9	0	92.9	0	92.9
69 MPH		0	98.0	0	97.8	0	98.9	0	98.8	0	99.2	0	98.6	0	98.6	0	98.6
74 MPH		0	99.6	0	99.6	0	100.0	0	99.7	0	99.4	0	100.0	0	100.0	0	100.0
79 MPH		0	99.9	0	99.9	0	100.0	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0
84 MPH		0	100.0	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH		0	100.0	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0





TABLE 32 SPEED DATA

STATION U1ALL HIGHWAY Urban LOCATION See Individual Stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION DATE July-September 1978 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 105)

DATE April-June 1978 DATE April-June 1978

TIME TIME

OBSERVATION	PASSENGER CARS						TRUCKS					
	INDIANA			NON-INDIANA			ALL			<5000 LBS.		
	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT
NUMBER OF VEHICLES	0	1008	0	815	0	193	0	868	0	335	0	533
AVE. SPEED (MPH)	0	57.95	0	57.97	0	57.86	0	56.70	0	56.43	0	56.84
STANDARD DEVIATION	0	5.315	0	5.383	0	5.032	0	5.021	0	4.974	0	5.049
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	0	0	0	0	0	0	0	0	0	0	0	0
54 MPH	0	0	0	0	0	0	0	0	0	0	0	0
59 MPH	0	0	0	0	0	0	0	0	0	0	0	0
64 MPH	0	0	0	0	0	0	0	0	0	0	0	0
69 MPH	0	0	0	0	0	0	0	0	0	0	0	0
74 MPH	0	0	0	0	0	0	0	0	0	0	0	0
79 MPH	0	0	0	0	0	0	0	0	0	0	0	0
84 MPH	0	0	0	0	0	0	0	0	0	0	0	0
89 MPH	0	0	0	0	0	0	0	0	0	0	0	0

## TABLE 33--SPEED DATA

STATION ALL HIGHWAY Indiana System LOCATION See Individual Stations WEATHER ---

NO. OF LANES --- TYPE OF SURFACE ---

THIS OBSERVATION DATE July-September 1978 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ---)  
 DATE April-June 1978  
 TIME ---

	PASSENGER CARS				NON-INDIANA				ALL				TRUCKS			
	ALL	INDIANA	NON-INDIANA	ALL	INDIANA	NON-INDIANA	ALL	INDIANA	NON-INDIANA	ALL	INDIANA	NON-INDIANA	ALL	INDIANA	NON-INDIANA	ALL
OBSERVATION	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-
NUMBER OF VEHICLES	0	7407	0	5543	0	1764	0	5030	0	5030	0	2234	0	2234	0	2796
AVE. SPEED (MPH)	0	57.56	0	57.23	0	58.61	0	56.76	0	56.76	0	56.03	0	56.03	0	57.30
STANDARD DEVIATION	0	5.438	0	5.529	0	4.920	0	5.749	0	5.749	0	5.762	0	5.762	0	5.677
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	1.3	0	1.5	0	0.6	0	2.6	0	2.6	0	2.7	0	2.7	0	2.8
49 MPH	0	5.6	0	6.3	0	3.3	0	9.5	0	9.5	0	11.2	0	11.2	0	12.2
54 MPH	0	26.0	0	28.2	0	18.9	0	31.0	0	31.0	0	37.2	0	37.2	0	45.9
59 MPH	0	67.1	0	67.9	0	58.1	0	62.2	0	62.2	0	74.8	0	74.8	0	84.8
64 MPH	0	91.2	0	91.7	0	89.6	0	92.5	0	92.5	0	93.4	0	93.4	0	91.8
69 MPH	0	97.7	0	97.7	0	97.6	0	98.9	0	98.9	0	98.3	0	98.3	0	99.1
74 MPH	0	92.5	0	99.4	0	99.8	0	99.8	0	99.8	0	99.6	0	99.6	0	100.0
79 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0	0	99.9	0	99.9	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

PERCENT

OF

VEHICLES

TRAVELING

AT OR

LESS THAN

Table 34

Monitoring of Speed  
(Statistical Summary)☒ Quarterly Report--Calendar Quarter Ending September 30, 1978

or

☐ Annual Report--Year Ending \_\_\_\_\_STATE Indiana

	Miles	Number of Monitor Locations	Number of Vehicles Measured	Duration of Measurement Session (Hours)	Average Speed (MPH)	Median Speed (MPH)	85th Percentile Speed (MPH)	Percent of Motorists Exceeding		
								55 MPH	60 MPH	65 MPH
Interstate Urban	218	4	1876	5.0	57.4	56.9	61.5	67	24	5
Interstate Rural	849	8	3609	14.2	59.1	58.5	63.3	80	36	8
Multi-lane, Divided	657	8	3483	23.8	56.5	56.2	61.4	59	22	5
Multi-lane, Undivided										
			(Included in multi-lane, divided classification)							
2-Lane, Rural	8030	8	3469	23.0	55.9	55.4	60.7	53	18	5
State Total	9754	28	12437	66.0	57.2	56.8	61.9	65	25	6

TABLE 35

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-6 LOCATION 7.5 miles N. of S.R. 160 on I-65

NUMBER OF SESSIONS 1 DATES 8-22-78 VEHICLES MEASURED 449

AVERAGE SPEED (MPH) 59.5 STANDARD DEVIATION 4.4

MEDIAN SPEED (MPH) 58.7 85TH PERCENTILE SPEED (MPH) 63.2

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH	84	60 MPH	35	65 MPH	9
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TABLE 36 -

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	INTERSTATE, RURAL		
STATION NUMBER	RI-21	LOCATION	3.4 miles North of S.R. 18 on I-64*
NUMBER OF SESSIONS	1	DATES	8-14-78
		VEHICLES MEASURED	472
AVERAGE SPEED (MPH)	59.8	STANDARD DEVIATION	4.5
MEDIAN SPEED (MPH)	59.2	85TH PERCENTILE SPEED (MPH)	63.9
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH	84	60 MPH	43
		65 MPH	10

\*Speed Study Station moved due to construction at regular location.

TABLE 37--

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL  
 STATION NUMBER RI-12 LOCATION .1 mile west of mile marker 109 on I-74  
 NUMBER OF SESSIONS 1 DATES 8-31-78 VEHICLES MEASURED 437  
 AVERAGE SPEED (MPH) 59.5 STANDARD DEVIATION 4.6  
 MEDIAN SPEED (MPH) 58.8 85TH PERCENTILE SPEED (MPH) 63.5  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 83 60 MPH 36 65 MPH 9

TABLE 38 -

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL  
 STATION NUMBER RI-34 LOCATION 2.5 miles south of 1st bridge south of S.R. 39 on I-65  
 NUMBER OF SESSIONS 1 DATES 9-11-78 VEHICLES MEASURED 456  
 AVERAGE SPEED (MPH) 59.6 STANDARD DEVIATION 4.4  
 MEDIAN SPEED (MPH) 59.0 85TH PERCENTILE SPEED (MPH) 63.3  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 85 60 MPH 39 65 MPH 8

TABLE 39

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL  
 STATION NUMBER RI-7 LOCATION 9.7 miles south of U.S. 50 on I-65  
 NUMBER OF SESSIONS 1 DATES 8-28-78 VEHICLES MEASURED 442  
 AVERAGE SPEED (MPH) 60.0 STANDARD DEVIATION 4.6  
 MEDIAN SPEED (MPH) 59.2 35TH PERCENTILE SPEED (MPH) 64.4  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 85 60 MPH 42 65 MPH 11

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL  
 STATION NUMBER RI-16 LOCATION 13.9 miles west of U.S. 27 on I-70  
 NUMBER OF SESSIONS 1 DATES 8-16-78 VEHICLES MEASURED 434  
 AVERAGE SPEED (MPH) 57.8 STANDARD DEVIATION 4.6  
 MEDIAN SPEED (MPH) 57.2 85TH PERCENTILE SPEED (MPH) 61.9  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 71 60 MPH 28 65 MPH 4

Note: Station operated during nighttime hours.



## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE RURAL  
 STATION NUMBER RI-24 LOCATION 2.4 miles North of S.R. 4 on I-69  
 NUMBER OF SESSIONS 1 DATES 8-9-78 VEHICLES MEASURED 482  
 AVERAGE SPEED (MPH) 58.1 STANDARD DEVIATION 4.7  
 MEDIAN SPEED (MPH) 57.3 85TH PERCENTILE SPEED (MPH) 62.2  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 73 60 MPH 29 65 MPH 6

TABLE 42-

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL  
 STATION NUMBER RI-35 LOCATION 1.55 miles west of S.R. 267 on I-74  
 NUMBER OF SESSIONS 1 DATES 9-11-78 VEHICLES MEASURED 437  
 AVERAGE SPEED (MPH) 58.5 STANDARD DEVIATION 5.0  
 MEDIAN SPEED (MPH) 58.1 85TH PERCENTILE SPEED (MPH) 63.0  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 75 60 MPH 32 65 MPH 7

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)  
 STATION NUMBER 41-17 LOCATION 150' east of Co. Rd. 475W on US 52  
 NUMBER OF SESSIONS 1 DATES 8-1-78 VEHICLES MEASURED 440  
 AVERAGE SPEED (MPH) 55.9 STANDARD DEVIATION 5.7  
 MEDIAN SPEED (MPH) 55.6 35TH PERCENTILE SPEED (MPH) 60.1  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 54 60 MPH 15 65 MPH 5

TABLE 44

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)  
 STATION NUMBER 4L-32 LOCATION 1 mile north of S.R. 2 on US 30  
 NUMBER OF SESSIONS 1 DATES 8-3-78 VEHICLES MEASURED 444  
 AVERAGE SPEED (MPH) 58.2 STANDARD DEVIATION 4.5  
 MEDIAN SPEED (MPH) 57.7 85TH PERCENTILE SPEED (MPH) 62.0  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 74 60 MPH 28 65 MPH 5

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)  
 STATION NUMBER 41-20 LOCATION 2.9 miles west of Wanatah city limit sign on US 421  
 NUMBER OF SESSIONS 1 DATES 8-21-78 VEHICLES MEASURED 441  
 AVERAGE SPEED (MPH) 57.7 STANDARD DEVIATION 6.4  
 MEDIAN SPEED (MPH) 57.6 85TH PERCENTILE SPEED (MPH) 62.8  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 67 60 MPH 31 65 MPH 10



TABLE 46

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	MULTI-LANE, DIVIDED (RURAL)			
STATION NUMBER	41-21	LOCATION	See Note	
NUMBER OF SESSIONS	1	DATES	8-25-78	VEHICLES MEASURED 431
AVERAGE SPEED (MPH)	57.5	STANDARD DEVIATION	4.2	
MEDIAN SPEED (MPH)	56.8	85TH PERCENTILE SPEED (MPH)	61.6	
PERCENTAGE OF VEHICLES EXCEEDING:				
55 MPH	69	60 MPH	22	65 MPH 6

Note: Regular location under construction site moved to US 31 2.8 miles south of US 431 North of Carmel

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)  
 STATION NUMBER 41-6 LOCATION 1.75 miles west of Brazil city limit sign on US 40  
 NUMBER OF SESSIONS 1 DATES 9-8-78 VEHICLES MEASURED 436  
 AVERAGE SPEED (MPH) 55.6 STANDARD DEVIATION 6.0  
 MEDIAN SPEED (MPH) 55.2 85TH PERCENTILE SPEED (MPH) 60.5  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 51 60 MPH 19 65 MPH 4

TABLE 48 -

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)  
 STATION NUMBER 41-7 LOCATION 5.35 miles east of US 231 on US 40  
 NUMBER OF SESSIONS 1 DATES 9-29-78 VEHICLES MEASURED 431  
 AVERAGE SPEED (MPH) 56.2 STANDARD DEVIATION 6.1  
 MEDIAN SPEED (MPH) 55.3 85TH PERCENTILE SPEED (MPH) 61.3  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 52 60 MPH 22 65 MPH 5

TABLE 49--

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)  
 STATION NUMBER 41-15 LOCATION 1.35 miles west of Dublin city limit sign on US 40  
 NUMBER OF SESSIONS 1 DATES 8-17-78 VEHICLES MEASURED 425  
 AVERAGE SPEED (MPH) 53.2 STANDARD DEVIATION 6.7  
 MEDIAN SPEED (MPH) 53.3 85TH PERCENTILE SPEED (MPH) 60.3  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 39 60 MPH 16 65 MPH 3

TABLE 50

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)  
STATION NUMBER 41-22 LOCATION 2.8 miles south of SR 26 on US 31  
NUMBER OF SESSIONS 1 DATES 8-15-78 VEHICLES MEASURED 435  
AVERAGE SPEED (MPH) 57.2 STANDARD DEVIATION 5.3  
MEDIAN SPEED (MPH) 56.7 85TH PERCENTILE SPEED (MPH) 61.2  
PERCENTAGE OF VEHICLES EXCEEDING:  
55 MPH 65 60 MPH 22 65 MPH 6

Note: Station operated during nighttime hours.



## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL  
 STATION NUMBER 21-18 LOCATION 2.5 miles east of I-69 on US 34  
 NUMBER OF SESSIONS 1 DATES 8-14-78 VEHICLES MEASURED 455  
 AVERAGE SPEED (MPH) 55.2 STANDARD DEVIATION 5.1  
 MEDIAN SPEED (MPH) 55.4 85TH PERCENTILE SPEED (MPH) 60.2  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 53 60 MPH 16 65 MPH 4

TABLE 52--

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	TWO-LANE, RURAL		
STATION NUMBER	2L-54	LOCATION	1.1 miles south of SR 234 on US 31
NUMBER OF SESSIONS	1	DATES	8-18-78
		VEHICLES MEASURED	445
AVERAGE SPEED (MPH)	56.3	STANDARD DEVIATION	6.0
MEDIAN SPEED (MPH)	56.1	85TH PERCENTILE SPEED (MPH)	62.1
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH	60	60 MPH	23
		65 MPH	8

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL  
 STATION NUMBER 21-79 LOCATION .7 miles south of Americus on SR 25  
 NUMBER OF SESSIONS 1 DATES 9-7-78 VEHICLES MEASURED 446  
 AVERAGE SPEED (MPH) 56.4 STANDARD DEVIATION 5.5  
 MEDIAN SPEED (MPH) 55.6 85TH PERCENTILE SPEED (MPH) 60.7  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 56 60 MPH 19 65 MPH 5

TABLE 54

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	<u>TWO-LANE, RURAL</u>	
STATION NUMBER	<u>2L-91</u>	LOCATION <u>2 miles south of Chalmers on SR 43</u>
NUMBER OF SESSIONS	<u>1</u>	DATES <u>8-4-78</u> VEHICLES MEASURED <u>436</u>
AVERAGE SPEED (MPH)	<u>56.3</u>	STANDARD DEVIATION <u>5.4</u>
MEDIAN SPEED (MPH)	<u>56.0</u>	85TH PERCENTILE SPEED (MPH) <u>60.7</u>
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	<u>59</u>	60 MPH <u>17</u> 65 MPH <u>4</u>

TABLE 55

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE RURAL  
 STATION NUMBER 21-26 LOCATION 1.75 miles west of US 41 on SR  
 NUMBER OF SESSIONS 1 DATES 8-24-78 VEHICLES MEASURED 445  
 AVERAGE SPEED (MPH) 56.2 STANDARD DEVIATION 5.5  
 MEDIAN SPEED (MPH) 56.2 85TH PERCENTILE SPEED (MPH) 61.7  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 61 60 MPH 25 65 MPH 6



## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL  
 STATION NUMBER 21-39 LOCATION .4 miles west of Hanover on SR 56  
 NUMBER OF SESSIONS 1 DATES 8-23-78 VEHICLES MEASURED 446  
 AVERAGE SPEED (MPH) 52.2 STANDARD DEVIATION 6.2  
 MEDIAN SPEED (MPH) 52.5 85TH PERCENTILE SPEED (MPH) 57.8  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 30 60 MPH 9 65 MPH 3

TABLE 57

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE RURAL  
 STATION NUMBER 21-56 LOCATION 1 mile west of Kentland city limit sign on US 24  
 NUMBER OF SESSIONS 1 DATES 5-9-78 VEHICLES MEASURED 363  
 AVERAGE SPEED (MPH) 57.3 STANDARD DEVIATION 6.7  
 MEDIAN SPEED (MPH) 56.5 85TH PERCENTILE SPEED (MPH) 62.9  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 63 60 MPH 26 65 MPH 10

Note: Station operated during nighttime hours.

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL  
 STATION NUMBER 2L-57 LOCATION 2.85 miles south of US 6 on SR 3  
 NUMBER OF SESSIONS 1 DATES 8-10-78 VEHICLES MEASURED 433  
 AVERAGE SPEED (MPH) 55.1 STANDARD DEVIATION 4.7  
 MEDIAN SPEED (MPH) 54.6 85TH PERCENTILE SPEED (MPH) 58.8  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 47 60 MPH 10 65 MPH 3

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, URBAN  
 STATION NUMBER UI-6 LOCATION Just east of White River on I-65  
 NUMBER OF SESSIONS 1 DATES 8-8-78 VEHICLES MEASURED 508  
 AVERAGE SPEED (MPH) 58.2 STANDARD DEVIATION 4.7  
 MEDIAN SPEED (MPH) 57.7 85TH PERCENTILE SPEED (MPH) 62.2  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 74 60 MPH 29 65 MPH 6

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	INTERSTATE URBAN		
STATION NUMBER	UI-1	LOCATION	See Note
NUMBER OF SESSIONS	1	DATES	8-7-78
		VEHICLES MEASURED	453
AVERAGE SPEED (MPH)	57.3	STANDARD DEVIATION	4.4
MEDIAN SPEED (MPH)	57.0	85TH PERCENTILE SPEED (MPH)	61.0
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH	72	60 MPH	23
		65 MPH	2

Note: East bound I-94 1st bridge east of Burr interchange west bound moved due to construction I-94 .7 miles west of Grant interchange.



TABLE 61

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	INTERSTATE, URBAN		
STATION NUMBER	UI-7	LOCATION	1.5 miles east of Keystone on I-70
NUMBER OF SESSIONS	1	DATES	8-8-78
		VEHICLES MEASURED	454
AVERAGE SPEED (MPH)	55.3	STANDARD DEVIATION	4.7
MEDIAN SPEED (MPH)	55.1	85TH PERCENTILE SPEED (MPH)	59.0
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH	50	60 MPH	11
		65 MPH	1

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE URBAN  
 STATION NUMBER VI-8 LOCATION 5.6 miles southwest of I-65 on I-265  
 NUMBER OF SESSIONS 1 DATES 8-23-78 VEHICLES MEASURED 461  
 AVERAGE SPEED (MPH) 58.7 STANDARD DEVIATION 6.2  
 MEDIAN SPEED (MPH) 57.6 85TH PERCENTILE SPEED (MPH) 63.8  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 72 60 MPH 32 65 MPH 12

